

ONKYO
IMAGINATIVE SIGHT & SOUND



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IMAGINATIVE SIGHT & SOUND

AUDIO / VIDEO
2005-2006



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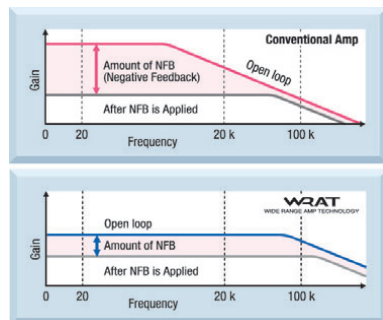


The real challenge for the home theater and audio industries is to reproduce movies and music exactly as the artist wanted you to hear them. It might be the highly charged emotion of a close-up shot; an accomplished orchestral soundtrack through a surround sound system; or the adrenaline rush following a crunching subwoofer explosion. Creating that perfect moment cannot be achieved through generic circuit design, technological gimmickry and cheap,

inferior parts. With Onkyo's approach, build quality, audio engineering excellence and practical design take precedence. Would you place your trust in an industry newcomer desperately searching for the "next big thing" or a name with a track record of producing industry firsts for over 50 years? We think the answer speaks for itself.

3 Significant Benefits You Get from WRAT

WRAT
WIDE RANGE AMP TECHNOLOGY



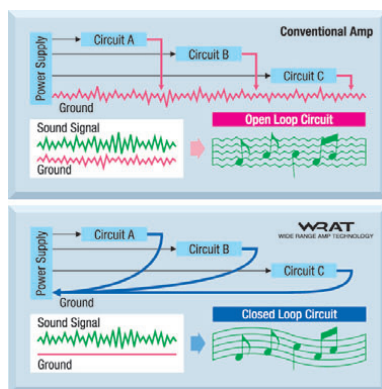
Benefit 1: Uncommonly Low Negative-Feedback Design—so you'll enjoy cleaner sound on programme peaks

Although NFB (negative feedback) is the most cost-effective way to reduce noise at lower frequencies, there's a sonic price to pay: larger amounts of NFB severely

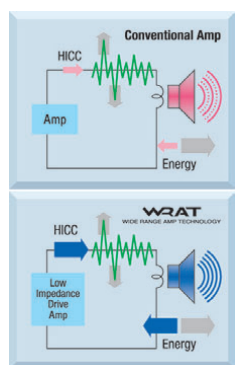
inhibit an amplifier's transient response—the ability to respond to large signal gains (e.g. explosions and musical finales)—and actually distort sound at high frequencies. That's why our engineers use a low negative-feedback design, with audiophile-grade, close-tolerance components at critical points in the signal path, to achieve a frequency response out to 100 kHz. That means you can fully enjoy the sonic benefits from such high-resolution formats as DVD-Audio and Super Audio CD as well as your regular CDs and DVDs.

Benefit 2: Closed Ground-Loop Circuits—so you'll enjoy greater maximum volume without distortion

If an amplifier's ground potential (voltage) fluctuates during playback of movie soundtracks or musical performances, you wind up with unpleasant noise. In an open-loop circuit design, all circuits are connected to the power supply via one loop. If all circuits share the same loop



(like on many amplifiers), the noise multiplies exponentially. Onkyo's sophisticated closed-circuit design allows each circuit to go and return directly to the power supply. This cancels any individual circuit noise, and keeps the ground potential free of distortion.



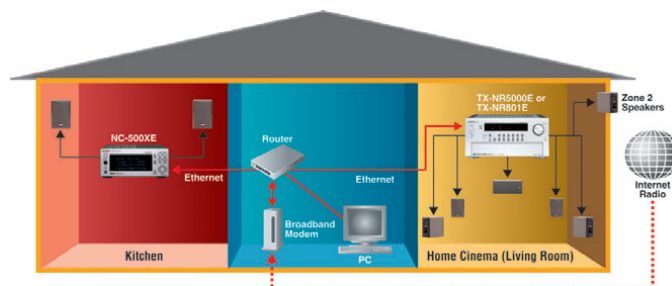
Benefit 3: High Instantaneous-Current Capability—so you'll enjoy film soundtracks with greater impact

Audio signals are very complex. After the amplifier outputs such signals to a speaker, the speaker itself accumulates energy. When the speaker reflexes, it sends energy back to the amplifier. The amplifier must immediately be able to supply a large amount of high current to cancel the speaker's reflex energy, and instantaneously send out the next signal. The same high current is also necessary to handle speaker impedance fluctuations, which on

occasion force an amplifier to provide four to six times its usual current load. The instantaneous current capability of even Onkyo's least expensive WRAT receivers is far better than that of most conventional units. This is because competing designs commonly have less than half the current capability. The result? The high-current capability incorporated into all Onkyo receivers means your receiver can deliver movie soundtracks with theatre-like dynamics and clarity—so you'll get the same exciting sonic slam that you experienced in the cinema.

Net-Tune™

NETTUNE™



What is Net-Tune™?

Do you have MP3, WAV, or WMA files on your computer? Add new life to this existing content and enjoy it in surround sound glory. With one of Onkyo's exclusive line of home network receivers connected to your computer via a broadband router, you can easily access all your computer's music files. Simply download Net-Tune™ to your PC and, through the Net-Tune™ Central application, you're ready to truly fill your room with music. If you've already upgraded to a broadband Internet connection, then there are even more possibilities for you. Have the urge to hear pop music from Japan or the latest songs soaring up the American charts? How does instant access to radio stations around the world sound to you? Well, it's possible through the mini-revolution in the music world called Internet radio. The process is simple. Hook up your home network receiver to a router connected to your broadband modem via a high-speed Ethernet cable. Press the Net Audio button on the front of your receiver and you'll be welcomed to a world of music in your home through Internet radio.

Net-Tune™ Central

Your media distribution software. Up to now, you may have looked upon your PC as a means of sending e-mail, making spreadsheets and playing the occasional game, but when it came to music, the sound was second best. Now Onkyo can add astounding depth to your hard drive's MP3, WAV or WMA music files. Simply download Net-Tune™ Central to your PC and your music files will be liberated from the limitations of your computer's speakers. Hook your PC up to a router and then connect your home network receiver for fast and easy access to your computer's music files. Now you have transformed your computer into a music server ready to deliver sparkling surround sound.



Internet Radio

Perhaps you've been wondering how your kids are getting radio reception from Asia. Or how your flatmate always seems to find those great stations you can't find on the radio. What's the secret? It's not coming from your local FM/AM tuner. It's coming from the Internet. Even if you're an old pro at surfing the airwaves of cyberspace, the benefits of Internet radio will continue to amaze you. No longer are you limited to local access. Now you have the freedom of the kind of music you want to hear when you want to hear it. The drawback? Until now this has been limited to the audio playback capability of your computer and its speakers. We're sure you'll agree with us when we say your music deserves more.

RF-EX6

RF Receiver for TX-NR5000E

- RF receiver for use with the Onkyo RF capable remote control
- The RF receiver allows your RF remote to control your devices by radio frequency
- Up to 16 units in one system
- Integrated IR-blaster
- 4 outputs for IR-emitters
- Range up to 30 m
- 4 selectable channels
- Easy installation
- For top mounting and stand alone (available only in selected countries)



TX-NR5000E Integra

SILVER BLACK

THX™ Ultra2™ 7.1-Channel A/V Home Network Receiver



Heimkino, Germany
2005-04



Lloxx, Germany
2005-04



Homevision, Germany
2005-04



Home Cinema Choice,
United Kingdom
2005-04



What Hi-Fi, United Kingdom
2005-04



Audiotion, Germany
2005-02



Welcome to the full potential of what a home theater receiver can be. Onkyo, the company that brought you the world's first 7.1-channel, THX-certified receiver, now unveils what a flagship receiver should be. The TX-NR5000E provides technology and design that will impress all, from the audiophile to the casual listener. The THX Ultra2 badge on the front means that this receiver provides the guarantee of the highest quality product available. Onkyo's Premium Digital concept takes on a new state-of-the-art look with the addition of HDMI (High-Definition Multimedia Interface) and i.LINK (IEEE1394) pure digital ports. All the latest encoding formats--THX Surround EX, DTS 96/24, Dolby Pro Logic IIx, and more--are here along with the knowledge that you're ready for the future with upgradable flash memory. Onkyo's exclusive Net-Tune™ protocol provides streaming music from your computer or Internet radio from the waves of cyberspace. So, for truly breathtaking performance and features from a receiver that truly deserves to be christened as a flagship, audition the TX-NR5000E and find out what true home entertainment is like.

- 200 W/Ch, Continuous 6 Ω, 1 kHz, DIN
- THX™ Ultra2™ Certified
- THX™ Surround EX™, DTS®-ES™ Discrete/Matrix, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx, Dolby® Headphone, Dolby® Virtual Speaker
- VLSC (Vector Linear Shaping Circuitry)
- Net-Tune™ Function with MP3/WMA/WAV Decoding
- Ethernet Cable Plug-in Capability
- 2 High-Quality HDMI Inputs and 1 Output
- 2 i.LINK (IEEE1394) Digital Ports
- Speaker A and B Mode for 7.1 Channels
- BTL and Bi-Wiring Connectable for FL/FR with SBR/SBL
- High-Precision 32-Bit Dual DSP Chips
- 192 kHz/24-Bit DAC for all channels
- 4 Wideband Component Video Inputs (3 RCA/1 BNC) and 2 Outputs (RCA/BNC)
- Composite and S-Video to Component Video Upconversion
- Powered Zone 2 and Zone 3
- 5 12V Trigger Outputs and 3 IR Inputs/Outputs
- Bi-Directional RS232 Port for Interface Control
- Color-Coded Heavy-Duty Dual Banana Plug Compatible Transparent Speaker Posts
- Two Sets of Color-Coded 7.1 Multichannel Inputs and Pre Outs
- Elegant Aluminum-Faced Remote Control with Scroll Wheel and LCD Display

TX-SR803E

SILVER BLACK

THX™ Select2™ 7.1-Channel A/V Surround Receiver



THX **96 ES 24** DOLBY DIGITAL EX **HDMI™ (192 kHz/24 bit)** WRAAT WIDE RANGE AMP TECHNOLOGY **RDSRI**

To create an A/V home theater receiver of exceptional quality, the challenge lies in incorporating the delicate processing circuits and amplifier components into the same chassis. When they both draw on the same power source, the amplifier dominates at peak moments. In a good design, it all works--like the THX Select2 Certified TX-SR803E 7.1-channel A/V surround home theater receiver. A series of other refinements--like VLSC for all channels, HDMI and RS232 connectivity, Powered Zone 2 and Auto Speaker Set-up with Microphone--keep this receiver firmly entrenched in the top league of home theater.

- 140 W/Ch, Continuous 6 Ω, 1 kHz, DIN
- THX™ Select2™ Certified
- THX™ Surround EX™, DTS®-ES™ Discrete/Matrix, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- 2 High-Quality HDMI Inputs and 1 Output
- Component Video Upconversion with TBC (Time Base Corrector)
- 3 Wideband Component Video Inputs and 1 Output
- Powered Zone 2 and 12 V Trigger
- Auto Speaker Set-up with Microphone
- Compatible with RI Dock for the iPod
- Backlit/Preprogrammed RI (Remote Interactive) Learning Remote with 3 Macros and Mode-Key LEDs

TX-SR703E

SILVER BLACK

THX™ Select2™ 7.1-Channel A/V Surround Receiver



THX **96 ES 24** DOLBY DIGITAL EX **(192 kHz/24 bit)** VL VECTOR LINEAR SHAPING CIRCUITRY WRAAT WIDE RANGE AMP TECHNOLOGY **RDSRI**

The latest incarnation in one of Onkyo's most well performing receivers--the THX Select2 Certified TX-SR703E--looks set to impress at the mid-range. It fronts up with some pretty impressive credentials, like the build quality and quality parts of its predecessor. To support a powerful 130 watts per channel, you'll want a noise-free signal from all your movie and music sources--achieved by the inclusion of Onkyo's Vector Linear Shaping Circuitry (VLSC). Also, crossover adjustment from 40 Hz to 200 Hz with 10/20 Hz steps enables you to more accurately create the sonic booms and crashes that enliven home theater and provide a cinematic experience level beyond belief.

- 130 W/Ch, Continuous 6 Ω, 1 kHz, DIN
- THX™ Select2™ Certified
- THX™ Surround EX™, DTS®-ES™ Discrete/Matrix, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- Component Video Upconversion with TBC (Time Base Corrector)
- 3 Wideband Component Video Inputs and 1 Output
- Powered Zone 2 and 12 V Trigger
- Auto Speaker Set-up with Microphone
- Compatible with RI Dock for the iPod
- Backlit/Preprogrammed RI (Remote Interactive) Learning Remote with 3 Macros and Mode-key LEDs

TX-SR603E

SILVER BLACK

7.1-Channel A/V Surround Receiver



In the home theater industry, a tremendous gap exists between entry-level receivers and seriously high-end home theater. The 7.1-channel TX-SR603E home theater receiver bridges that divide with capabilities like component video upconversion with a time base corrector to deliver pristine images through one cable. And with consistent power and a superior signal, expect no compromise in sound quality. Matched with the right player and speaker system, the TX-SR603E is definitely in a better league of home theater.

- 125 W/Ch, continuous 6 Ω , 1 kHz, DIN
- DTS®-ES™ Discrete/Matrix 6.1, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- VLSC (Vector Linear Shaping Circuitry) for L/R channels
- HDTV-Capable (50 MHz) Component Video Switching (3 Inputs/1 Output)
- Composite and S-Video to component video upconversion with TBC (Time Base Corrector)
- Powered Zone 2 and 12 V trigger
- Auto Speaker Set-up with Microphone
- Crossover adjustment (60/80/100/120/150 Hz)
- Preprogrammed RI (Remote Interactive) learning remote with 3 macros and mode-key LEDs

TX-SR503E

SILVER BLACK

7.1-Channel A/V Surround Receiver



Embodying the heart and soul of home theater -- seven channels pumped by consistent power; high-quality 192 kHz/ 24-bit DACs for a highly accurate and smooth signal; component video for wideband quality; and speaker terminals for playback in another room -- the TX-SR503E is our answer to cost-effective, performance-oriented home theater. With reliability and ease-of-use, the TX-SR503E is your ticket to your own private cinema.

- 100 W/Ch, Continuous 6 Ω , 1 kHz, DIN
- DTS®-ES™ Discrete/Matrix 6.1, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- H.C.P.S. (High Current Power Supply) Transformer
- 192 kHz/24-Bit DAC x 8
- HDTV-Capable (50 MHz) Component Video Switching (3 Inputs/1 Output)
- WRAT (Wide Range Amplifier Technology)
- Speaker A/B Terminals
- Pure Audio Mode
- Crossover Adjustment (60/80/100/120/150 Hz)
- Preprogrammed RI (Remote Interactive) Remote Control

TX-SR303E

SILVER

5.1-Channel AV Surround Receiver



You can really get a lot from today's entry-level home theater receivers. Onkyo's entry-level TX-SR303E 5.1-channel home theater receiver is a challenge to all others to lift their game. By incorporating Onkyo proprietary technologies like WRAT(Wide Range Amplifier Technology) and Optimum Gain Volume Circuitry ensures an audio performance worthy of today's high-resolution formats and a signal-to-noise ratio in excess of 100 dB, respectively. To further improve the quality of the signal, the TX-SR303E has 192 kHz/24-bit DACs for all five channels. For a reliable base on which to build a home theater system, you can't go far wrong with the TX-SR303E.

- 90 W/Ch, Continuous 6 Ω , 1 kHz, DIN
- DTS®, DTS® Neo:6 5.1, Dolby® Digital, Dolby® Pro Logic® II
- 192 kHz/24-Bit DAC x 6
- H.C.P.S. (High Current Power Supply) Transformer
- WRAT (Wide Range Amplifier Technology)
- Double Bass Function
- Subwoofer Pre Out
- Crossover Adjustment (60/80/100/120/150 Hz)
- Full-Function RI (Remote Interactive) Remote Control

Bring Unprecedented Fidelity to Your Music Files -- And Play Them Anywhere in Your Home

NC-500XE

SILVER

Audio Network Receiver Package

NC-500XE

Audio Network Receiver

17 W/Ch, 6 Ω , 1 kHz, DIN • VLSC (Vector Linear Shaping Circuitry) • Net-Tune™ Function with MP3/WMA/WAV Playback • Ethernet Cable Plug-in Capability • Genre/Country/Language Selection for Internet Radio • 20 Character, 4-Line Dot Matrix Display • Repeat Mode • Line in/2 Outputs (Fixed/Variable) • Optical Digital Output • 40 AM/FM Presets • 20 Internet Radio Presets • Alarm and Sleep Timer • Headphone Jack • Aluminum Front Panel • Full Function RI (Remote Interactive) Remote Control

(available only in selected countries)

D-N3X

2-Way, Bass Reflex Speakers

12 cm OMF Diaphragm Woofer • 2.5 cm Balanced-Dome Tweeter • Magnetically Shielded • Extensively Braced MDF Cabinet • 5 Ω Impedance • 70 W Max Input Power • 60 Hz-35 kHz Frequency Response



Oplus® FlexScale™ Video Scaling Capability

FLEX SCALING
Authorized by **PLUS**



While HD-DVD with a native resolution of over NTSC 480p or PAL 576p is still on the drawing board, you can experience HD level 720p and 1080i via FlexScale™ video scaling capability from Oplus®. Built in to the DV-SP1000E, and thus eliminating the need for costly external scalars, FlexScale™ takes

NTSC 480i or PAL 576i DVDs beyond normal progressive scan players and into the HD domain by enabling 720p or 1080i output through the HDMI (High-Definition Multimedia Interface) out on the rear.

HDMI™ (High-Definition Multimedia Interface)

The latest in digital interface technology is here and it goes by the name of HDMI (High-Definition Multimedia Interface). This high-bandwidth interface supports not only remarkable amounts of uncompressed digital video but audio as well. Up to 5 Gbps of data, more than twice what's needed for a high-definition movie with surround sound, can be handled with room for future requirements.



All this data is kept in the digital domain as there are no D/A or A/D conversions needed to ensure the highest sound and video quality available. Unparalleled amounts of compressed or uncompressed digital audio and video—up to 5 Gbps of data—can be handled with just one high-speed cable.

i.LINK™ Digital Audio Interface (a.k.a. IEEE1394)



The reduction of up to six analogue cables to one single digital cable capable of carrying multi-channel audio is here. i.LINK (a.k.a. IEEE1394) provides the high-bandwidth, high-resolution signal transfer of audio that multi-channel formats like DVD-Audio and Super Audio CD have been waiting for. Even better, content stays in the pure digital realm as there are no unnecessary D/A or A/D conversions performed. Experience the pure digital multi-channel music experience you've been waiting for.

PAL/NTSC Veridic Progressive Scan

VERIDIC PROGRESSIVE SCAN

Most DVDs are "progressive" -- meaning they produce video in complete frames. But to be compatible with all TVs, the DVD signal must be interlaced -- a method where the picture is split into two fields and then blurred together to look like one. Progressive Scan, however, retrieves the original progressive signal, and on such compatible displays as HDTV, Plasma or digital TV and high-end projectors, "paints" all the visible lines on the screen in a single pass -- so you'll enjoy a scan-line-free image, with spectacularly clear color, no motion artifacts, and details so sharp they seem as if they're etched onto the screen.

BNC Component Video Output

This three-jack video output gives you higher-quality single-cable connection to the latest TVs, projectors and monitors than you get from standard pin-jack connections. It also brings out the full potential of your DVDs by sending three extremely clean, separate RGB (red, green, and blue) signals to your TV. This eliminates the usual artifacts such as dot crawl and moiré (wavelike or watered appearance), and gives stunning color fidelity with virtually no discernible video noise.



Analog Devices® 216 MHz/14-Bit NSV™ Video DAC



A crucial factor in achieving clear, pristine digital video playback is the video D/A converter in your DVD player. The state-of-the-art 216 MHz/14-bit video DAC from Analog Devices featured in the DV-SP1000E gives you the finest artifact-free picture available. Features such as 4x oversampling and Noise Shaped Video (NSV®) dramatically reduce noise interference to the video signal, so you can enjoy even the most subtle of nuances in your favorite movies.

192 kHz/24-Bit Audio DACs

192 kHz / 24 bit

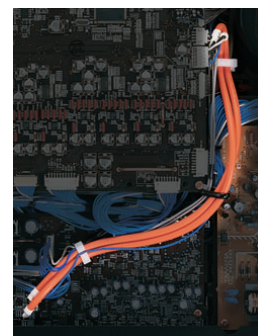


Performing at a full 192 kHz/24-bit level of resolution, these state-of-the-art digital-to-analog converters deliver audio performance that is second to none. They boast a higher dynamic range than standard D/A converters, and are virtually resistant to clock jitter -- which means you'll enjoy the best performance possible from DVD-Audio discs and Super Audio CDs and cleaner sound from your regular DVDs and CDs.

Exclusive Dual Direct Digital Path

DUAL DIRECT DIGITAL PATH

Unlike other DVD players that use inexpensive PC-board copper traces to transfer the digital audio signal, the DV-SP1000E employs dual high-purity, heavy-gauge, shielded cables to directly output digital or PCM bitstreams straight from the disc to the back panel. This protects the audio signal against potential noise from nearby microprocessors and power supplies. So if you use the optical or coaxial digital output to send multi-channel Dolby® Digital, DTS® and more to your compatible receiver, you're starting off with the cleanest possible signal.



DVD-Audio -- Unprecedented Fidelity



DVD-Audio's dataloss-free reproduction of 192 kHz/24-bit 2-channel stereo or 96 kHz/24-bit 6-channel surround sound recreates music with such detail and clarity, it sounds as if every recording is being played live in your home. DVD-Audio can store 1,100 times more information per second than a CD. And with a super-high frequency rate of 192,000 samples per second -- 4.3 times greater than an audio CD -- you get 256 times the resolution, a frequency response up to 96 kHz, and an extraordinary dynamic range of up to 144 dB -- which translates into a musical experience that goes beyond just listening!

Super Audio CD -- Precision Clarity



Super Audio CD gives you the next step in the evolution of pristine sound. All channels provide for up to 100 kHz frequency response and a sampling rate of 2.822 MHz—that's 64 times that of a regular CD! A multichannel SACD disc can provide you with up to 6 channels of high-resolution audio in addition to a regular CD layer for playback on any existing CD player.

Video Circuit On/Off Control



For the best audio quality possible, you can turn off the video circuitry when using the DV-SP1000E as an audio-only player, eliminating the possibility of interference between the player's video and audio circuitry.

DV-SP1000E Integra

SILVER BLACK

THX™ Ultra™ Certified Universal DVD-Audio/Super Audio CD Player



Homevision, Germany
2005-04



What Home Cinema, United Kingdom
2005-04



Home Cinema, United Kingdom
2005-02



Essential Hi-Fi & Home Cinema, UK
2005-01



Home Cinema Choice, United Kingdom
2004-12



What Hi-Fi, United Kingdom
2004-10



THX™ Ultra™ DIGITAL DOLBY DIGITAL HDMI™ i FILE SCALING AUTHORIZED BY PPLUS DVD VIDEO MP3 JPEG CD 192kHz/24bit

VECTOR LINEAR SHAPING CIRCUITRY DUAL DIRECT DIGITAL PATH VERIDIC PROGRESSIVE SCAN

Even though the receiver drives your home theater, it's still important that audio and video signals are delivered to it as effectively as possible. This is where the DV-SP1000E steps up: a rugged but sophisticated universal player that's built to perform. The DV-SP1000E's sturdy chassis and loading mechanism are specifically designed for the smoothest delivery of your movies and music and for the minimization of vibrations. And to understand the meaning of "universal", think DVD Audio and Super Audio CD, as well as analog and pure digital reproduction. The inclusion of HDMI (High-Definition Multimedia Interface) and i.LINK (IEEE1394) interface technology enables the transfer of large amounts (up to 5 Gbps) of audio and video data and easily connectable, multichannel music, respectively. Onkyo's proprietary VLSC (Vector Linear Shaping Circuitry) and Oplus' FlexScale™, which enables video scaling of PAL and NTSC discs from 480i/576i to 480p/576p/720p and 1080i, give this player the A/V playback edge that other makers fail to match. Such a remarkable universal player can't go without recognition, which is why it's THX™ Ultra™-certified for its superb standards in audio and video playback.

- THX™ Ultra Certified
- DTS® and Dolby® Digital Decoders Built in
- Plays DVD-Audio and Video, DVD-Rs, DVD-RWs, Super Audio CDs, MP3 CDs, CD-Rs, CD-RWs, Video CDs, Audio CDs, and JPEG/Picture CDs*
- Oplus® FlexScale™ Video Scaling Capability
- 216 MHz/14-Bit Analog Devices NSV® Video DAC
- Wolfson® 192 kHz/24-Bit Audio DACs
- Dual Direct Digital Path
- Optical & Coaxial Digital Outputs
- High Quality HDMI Output
- 2 i.LINK (IEEE1394) Digital Ports
- 2 Component Video (RCA/BNC),

- S-Video, SCART & Composite Video Outputs/S-Video & Composite Video Inputs
- 12 V Trigger Input and IR Input/Output
- Bi-Directional RS232 Port for Interface Control
- Rigid Aluminum Front/Side Panel with Brass Stabilizers
- PAL and NTSC Veridic Progressive Scan
- On-Screen Display (English, French, Spanish, German, Italian)
- Elegant Aluminum-Faced Backlit Remote Control

* Discs that have not been properly finalized may only be partially playable or not playable at all.



OPLUS® Flexscale™ Video Scaling Capability

Progressive scan players can at most, output an NTSC 480p signal or PAL 576p signal to compatible TVs or projectors. The DV-SP1000E will upscale conventional DVD (NTSC 480i or PAL 576i) to 480p/576p/720p or 1080i via the built-in FlexScale video scaler from Oplus. The result is a crystal clear, ultra-sharp image on HDTV compliant playback devices that will take your viewing experience to previously unattainable levels.

Bringing Detail and Clarity to New Heights-- Your Perfect Home Theater Solution



HTE-603

SILVER

7.1-Channel Home Theater Package

TX-SR603E

7.1-Channel AV Surround Receiver

- 125 W/Ch, continuous 6 Ω , 1 kHz, DIN
- DTS®-ES™ Discrete/Matrix 6.1, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- VLSC (Vector Linear Shaping Circuitry) for L/R channels
- HDTV-Capable (50 MHz) Component Video Switching (3 Inputs/1 Output)
- Composite and S-Video to component video upconversion with TBC (Time Base Corrector)
- Powered Zone 2 and 12 V trigger
- Auto Speaker Set-up with Microphone
- Crossover adjustment (60/80/100/120/150 Hz)
- Preprogrammed RI (Remote Interactive) learning remote with 3 macros and mode-key LEDs

DV-SP503E

Universal DVD-Audio/Super Audio CD Player

- DTS® and Dolby® Digital Decoders Built in
- Plays DVD-Audio and Video, DVD-Rs, DVD-RWs, Super Audio CDs, MP3 CDs, WMA CDs, CD-Rs, CD-RWs, Video CDs, Audio CDs, and JPEG/ Picture CDs*
- DivX® Video Playable
- PAL/NTSC Progressive Scan
- 192 kHz/24-Bit Audio DAC
- 108 MHz/12-Bit Video DAC
- Color-Coded 5.1 Multichannel Audio Outputs
- On-Screen Display (English, French, Spanish, German, Italian)
- Brushed Aluminum Front Panel
- Full-Function RI (Remote Interactive) Remote Control

HTE-503

SILVER BLACK

7.1-Channel Home Theater Package

TX-SR503E

7.1-Channel AV Surround Receiver

- 100 W/Ch, Continuous 6 Ω , 1 kHz, DIN
- DTS®-ES™ Discrete/Matrix 6.1, DTS® Neo:6, DTS® 96/24, Dolby® Digital EX™, Dolby® Pro Logic® IIx
- H.C.P.S. (High Current Power Supply) Transformer
- 192 kHz/24-Bit DAC x 8
- HDTV-Capable (50 MHz) Component Video Switching (3 Inputs/1 Output)
- WRAT (Wide Range Amplifier Technology)
- Speaker A/B Terminals
- Pure Audio Mode
- Crossover Adjustment (60/80/100/120/150 Hz)
- Preprogrammed RI (Remote Interactive) Remote Control

DV-SP403E

DVD Player

- Plays DVDs, DVD-Rs, DVD-RWs, MP3 CDs, WMA CDs, CD-Rs, CD-RWs, Video CDs, Audio CDs, and JPEG/Picture CDs
- DivX® Video Playable
- PAL/NTSC Progressive Scan
- 192 kHz/24-Bit Audio DAC
- 54 MHz/10-Bit Video DAC (for PAL Progressive Scan Output)
- Parallel Outputs -- All Outputs Active
- On-Screen Display (English, French, Spanish, German, Italian)
- Brushed Aluminum Front Panel
- Full-Function Remote Control

Precise, Enveloping Home Theater
Performance -- Doesn't Get Any Better Than
This



HTE-303

SILVER

5.1-Channel Home Theater Package

TX-SR303E

5.1-Channel A/V Surround Receiver

- 90 W/Ch, Continuous 6 Ω , 1 kHz, DIN
- DTS®, DTS® Neo:6 5.1, Dolby® Digital, Dolby® Pro Logic® II
- 192 kHz/24-Bit DAC x 6
- H.C.P.S. (High Current Power Supply) Transformer
- WRAT (Wide Range Amplifier Technology)
- Double Bass Function
- Subwoofer Pre Out
- Crossover Adjustment (60/80/100/120/150 Hz)
- Full-Function RI (Remote Interactive) Remote Control

DV-SP303E

DVD Player

- Plays DVDs, DVD-Rs, DVD-RWs, MP3 CDs, WMA CDs, CD-Rs, CD-RWs, Video CDs, Audio CDs, and JPEG/Picture CDs
- DivX® video playable
- PAL/NTSC progressive scan
- 192 kHz/24-bit audio DAC
- 54 MHz/10-bit video DAC (for PAL progressive scan output)
- Parallel outputs -- all outputs active
- 96 kHz or 48 kHz Selectable Digital Output
- On-screen display (English, French, Spanish, German, Italian)
- Full-function remote control

Combining Simplicity and Quality -- for Superior Home Theater Entertainment



Home Theater Package

2005-2006

SKS-HT530

BLACK

7.1-Channel Speaker Package



SKF-530F

2-Way Bass Reflex Front Speakers

- 12 cm OMF diaphragm woofer x 2
- 2.5 cm balanced-dome tweeter
- 110 watts max. input
- Magnetically shielded

SKC-530C

2-Way Bass Reflex Center Speaker

- 12 cm OMF diaphragm woofer x 2
- 2.5 cm balanced-dome tweeter
- 110 watts max. input
- Magnetically shielded

SKM-530S/SKB-530

2-Way Bass Reflex Surround/Surround Back Speakers

- 8 cm cone woofer
- 2 cm ceramic tweeter
- 110 watts max. input

SKW-530

Bass Reflex Powered Subwoofer

- Built-in 230 watts power amplifier
- 25 cm cone woofer
- Auto standby/on
- Output level control

All speakers feature 8 Ω s impedance, color-coded speaker terminals and speaker cable.



With a deficit of receiver/speaker packages that blend into your home both spatially and audibly -- and deliver with the power and accuracy when it's needed most -- Onkyo continues to provide with the release of the HT-S580 home entertainment 5.1-channel receiver/speaker package. With the HT-S580 supplying 100 watts per channel into its six channels, most would be satisfied. Look a little deeper and you will find that time-proven technologies, like WRAT (Wide Range Amplifier Technology) and Optimum Gain Volume Circuitry, show that the real power benefit lies in power that can be harnessed without distortion. Also, an H.C.P.S. (High Current Power Supply) transformer ensures there is power on hand for audio peaks and 192 kHz/24-bit DACs preserve the quality of the incoming signal. The 5.1-channel speakers have been designed to complement the receiver's drive power. Once again, quality, affordability and performance win.

HT-S580

SILVER

5.1-Channel Receiver/Speaker Package

HT-R330

5.1-Channel AV Surround Receiver

- 100 watts per channel minimum into 8 Ωs at 1 kHz, DIN
- DTS®, DTS® Neo:6 5.1, Dolby® Digital™, Dolby® Pro Logic II®
- 192 kHz/24-bit DACs for all channels
- H.C.P.S. (High Current Power Supply) massive isolated transformer
- WRAT (Wide Range Amplifier Technology)
- Optimum Gain Volume Control Circuitry
- A-form listening mode memory
- Non-scaling configuration
- OptiResponse equalizer (OR-EQ) function
- CinemaFILTER™
- Advanced 32-bit DSP chip
- Color-coded 5.1-multichannel inputs for DVD-Audio and Super Audio CD
- 2 digital inputs (1 optical/1 coaxial)
- 4 composite video inputs and 2 outputs
- 2 audio and 4 A/V inputs
- Color-coded speaker terminals
- RI (Remote Interactive) remote control

HTP-330

5.1-Channel Speaker Package

SKF-330F 2-Way Bass Reflex Front Speakers

- 8 cm cone woofer
- 2 cm ceramic tweeter
- 100 watts max. input
- Magnetically shielded

SKC-330C 2-Way Bass Reflex Center Speaker

- 8 cm cone woofer x 2
- 2 cm ceramic tweeter
- 100 watts max. input
- Magnetically shielded

SKM-330S 2-Way Bass Reflex Surround Speakers

- 8 cm cone woofer
- 2 cm ceramic tweeter
- 100 watts max. input

*All speakers feature 8 Ωs impedance, color-coded speaker terminals and speaker cable.

SKW-330 Bass Reflex Subwoofer

- 20 cm cone woofer
- Down firing
- 100 watts max. input
- Color-coded speaker terminals and speaker cables

SKF-3600

SILVER

2-Way, Bass Reflex Speakers



- 8 cm cone woofer x 2
- 2.5 cm balanced-dome tweeter
- Speaker base supplied
- Magnetically shielded
- Frequency Response: 55 Hz - 35 kHz
- Crossover Frequency: 6 kHz
- Maximal Input Power: 100 W
- Nominal Impedance: 8 Ω

D-312E

BEECH

2-Way, Bass Reflex Speakers



- New A-OMF Diaphragm Woofer (16 cm)
- Supported by a large voice coil (6,5 cm)
- New "V-Line" Edge to remove unnecessary vibrations
- Highly responsive ring-drive tweeter (4 cm) for high frequency sounds
- Equalizer for improved transient response
- Aero Acoustic Drive to cut off high frequency Interference
- Wood-finished MDF cabinet
- Network circuit to mitigate woofer/tweeter interference
- 100 kHz frequency response for Super Audio CD and DVD-Audio
- Magnetically shielded
- Gold-plated, bi-wiring banana-plug compatible binding posts
- Frequency Response: 34 Hz-100 kHz
- Maximum Input Power: 200 W

SL-107

BEECH SILVER

Bass Reflex Powered Subwoofer



- 20 cm cone woofer
- Slit-Duct for powerful and natural-sounding bass
- Auto-standby/On switch
- Continuously variable crossover (50–200 Hz)
- Phase switch (0 or 180°)
- Speaker & line level inputs
- Impedance: 65 kΩ (line input), 1.2 kΩ (speaker input)
- Built-in 150 W amplifier
- Frequency response: 30–200 Hz

D-302E

MAHAGONI

2-Way, Bass Reflex Speaker



- New A-OMF diaphragm for better transient response
- Supported by a large voice coil (6,5 cm)
- Implementing a large, high-strength ferrite magnet
- Die cast frame construction to prevent vibrations
- New "V-Line" Edge to remove mitigating vibrations
- Highly responsive ring-drive tweeter for high-frequency sounds
- Equalizer for improved transient response
- Aero Acoustic Drive to cut off high frequency interference
- Wood-finished MDF cabinet
- Network circuit to mitigate woofer/tweeter interference
- Gold-plated, banana-plug compatible speaker posts

TX-L55

SILVER

6.1-Channel Digital A/V Receiver



dts 96/24 **ES** **DOLBY DIGITAL EX** **CINEMA FILTER** **RDS** **RI**

- 60 W/Ch, continuous 6 Ω , 1 kHz, DIN
- Exclusive Onkyo Digital Technology
- DTS®-ES™, Discrete/Matrix, DTS® NEO:6, DTS® 96/24 Dolby® Digital EX™, Dolby® Pro Logic™ IIx
- High-current, low-impedance drive
- Discrete output stage circuitry
- Non-scaling configuration
- 5 DSP modes
- 2 component-video inputs & 1 output
- 3 digital inputs
- CinemaFILTER
- Subwoofer pre out
- Color-coded multichannel inputs
- Preprogrammed RI (Remote Interactive) remote control

DV-L55

SILVER

DVD Player



dts **DOLBY DIGITAL** **DVD** **COMPACT DISC DIGITAL AUDIO** **MP3** **WMA** **JPEG** **192 kHz/24-bit** **PROGRESSIVE SCAN** **RI**

- Plays DVDs, DVD-Rs, DVD-RWs, MP3 CDs, WMA CDs, CD-Rs, CD-RWs, Video CDs, Audio CDs and JPEG/Picture CDs*
 - Advanced 54 MHz/10-bit Video DAC
 - PAL/NTSC Progressive Scan
 - 192 kHz/24-bit audio DAC
 - 96 kHz or 48 kHz selectable digital output
 - Optical & coaxial digital outputs
 - Component, SCART, s-video & composite outputs
 - High resolution on-screen display (English, French, Spanish, German, Italian)
 - Full-function RI (Remote Interactive) remote control
- *Discs that have not been properly finalized may only be partially playable or not playable at all.

CR-L5

SILVER

Ultra-Slim CD Receiver



192 kHz/24-bit **VL** **VECTOR LINEAR SHAPING CIRCUITRY** **WRAT** **WIDE RANGE AMP TECHNOLOGY** **RDS** **ACCUCLOCK** **COMPACT DISC DIGITAL AUDIO** **RI**

- 50 W/Ch, Continuous 4 Ω , 1 kHz, DIN
- 192 kHz/24-Bit Audio DACs
- VLSC (Vector Linear Shaping Circuitry)
- WRAT (Wide Range Amplifier Technology)
- New "Home Style Component" Design
- High-Current, Low-Impedance Drive
- Direct Mode Function (1 Optical; 1 Coaxial)
- 2 Digital Outputs
- Subwoofer Pre Out
- A/B Speaker Drive
- RI (Remote Interactive) Compatible Remote Control

DS-A1

WHITE

RI Technology Offers Remote Control of iPod

DS-A1

Remote Interactive (RI) Dock for the iPod

- Connects with Onkyo RI-compatible Receivers/Amplifiers and Audio-Video Systems
- Charges iPod through AC adapter
- Brings Audiophile Quality to Digital Music Files
- Enables iPod photo Slide Shows
- Brings Remote Control to the iPod
- Auto Selector Function
- Time Play/Sleep Timer Function
- Alarm Function

Package Contents

- DS-A1 Remote Interactive Dock
- AC Adapter
- Audio, S-Video and RI Cables
- iPod Adapters
- Instruction manual

Made for iPod



Increased Versatility and Enhanced Functionality

with Latest iPod Generations

The DS-A1 is compatible with the following: 3rd Generation iPod with touch wheel and buttons (software 2.2 or later); 4th Generation iPod with Click Wheel (software version 3.0.2 or later); iPod mini (software 1.2 or later); or iPod photo (software 1.0 or later). 4th Generation iPods and iPod minis bring a lot more than the basic functions (depending on your receiver/amplifier): Shuffle for Songs and Albums, Repeat modes, Backlight duration, and Playlist/Album modes. If you upgrade your iPod or your Onkyo components, it is possible to get greater remote capability.

Doing More with Your iPod -- Through Onkyo's Imaginative Sight and Sound

Separate Collection

2005-2006



The Shelf System For Your Lifestyle



SCR-205XPA

SILVER

Receiver / CD Player & Speaker Package

SCR-205X

Receiver & CD Player Package

R-805TX(SH) RDS FM/AM Receiver

20 W/Ch, Continuous 4 Ω , DIN • WRAT (Wide Range Amplifier Technology) • Discrete Output Stage Circuitry • High Current, Low Impedance Drive • CD-R Input and Output Terminals • Processor Input and Output Terminals • 30 RDS FM/AM Presets • 3-Mode Acoustic Presence • 4-Mode Timer (Weekday, Weekend, Rec, Sleep) • Heavy-Duty Speaker Binding Posts • High-Grade Aluminium Volume Input Knob • Motor-Driven Volume Control • Blue FL Display • Brushed Hairline Aluminium Front Panel • RI (Remote Interactive) Compatible Remote Control

C-705TX(SH) CD Player

DLA Link2 (Digital Rec Level Adjustment) • 2 Optical Digital Outputs • High-Quality Single-Bit DAC • 25-Track Random Memory • 15-Track Music Calendar Display • 4-Mode Repeat • 4-Mode Time Display • Track-1 Play Mode • Solid Steel, Anti-Resonant Chassis • Blue FL Display • Brushed Hairline Aluminium Front Panel

D-SX7A

2-Way, Bass Reflex Speakers

12 cm OMF Diaphragm Woofer • 2.5 cm Soft-Dome Tweeter • Magnetically Shielded • Extensively Braced MDF Cabinet • 5 Ω Impedance • 70 W Max Input Power • 85 dB/W/m Sensitivity • 50 Hz-35 kHz Frequency Response

Optional

K-505TX

Auto-Reverse Cassette Deck

Auto-Reverse for Continuous Listening • Rugged Onkyo Transport System • Dolby® HX Pro & B and C Noise Reduction • CD-to-Tape One-Touch Dubbing (Album/Fade) • CD/MD to Tape Synchro Recording • Auto Tape Selector Sets Bias & Equalization to Match Tape Type • Auto Recording Level Control • Auto Spacing • Music Search • Blue FL Display • Brushed Hairline Aluminium Front Panel

Loving Your Music Every Bit as Much as You



By incorporating Onkyo's Wide Range Amplifier Technology (WRAT)--a benefit many would expect to find only in separate components--you're looking at a system that will handle the peaks and lows of any music source. Also, Optimum Gain Volume Circuitry minimizes noise at low volumes, keeping your music signal untainted. The stunningly attractive high-gloss piano finish of the D-B8 speakers' MDF construction is a pleasure to behold. But it's just one of a range of enhancements: A 13-cm, A-OMF diaphragm woofer copes with the wide dynamic range of digital music sources; an Aero Acoustic Drive ensures a spacious, responsive sound; and a V-Line Edge suppresses any vibrations that can negatively affect your music. With the clean appeal of an aluminum front panel and ergonomic qualities, the CS-320 makes for an ideal addition to any lifestyle.

CS-320

SILVER

CD Receiver System

CR-N7

CD Receiver

Amplifier Features

- 26 W/Ch, Continuous 4 Ω , 1 kHz
- WRAT (Wide Range Amplifier Technology)
- High-Current, Low-Impedance Drive
- Discrete Output Stage Circuitry
- 3 Audio Inputs and 2 Outputs
- Tone Control (Bass/Treble)
- 2-Step Super Bass Control
- Subwoofer Pre Out

CD Player Features

- Plays CDs, MP3 CDs, CD-Rs and CD-RWs
- Single-Bit D/A Converter
- 25-Track Programming
- 4 Play Modes (Normal/Memory/Random/Group)

Tuner & Other Features

- Optical Digital Output
- 4-Mode Timer (Play or Rec/Once or Every)
- Motor Driven Volume Control
- Battery-Free Memory Back-up
- Aluminum Front Panel
- Full-Function Remote Interactive (RI) Remote Control

D-B8

2-Way Bass Reflex Speakers

- 13 cm A-OMF Diaphragm Woofer
- 2.5 cm Soft-Dome Tweeter
- Aero Acoustic Drive for Powerful and Natural Sound
- V-Line Edge to Minimize Vibrations
- MDF Cabinet with High-Gloss Piano Finish
- Magnetically Shielded
- Impedance: 4 Ω
- Max. Input Power: 70 W
- Frequency Response: 50 Hz–35 kHz

Optional

DS-A1

Remote Interactive (RI) Dock for the iPod

- Connects with Onkyo RI-compatible Receivers/Amplifiers and Audio-Video Systems
- Charges iPod through AC adapter
- Brings Audiophile Quality to Digital Music Files
- Enables iPod photo Slide Shows
- Brings Remote Control to the iPod
- Auto Selector Function
- Time Play/Sleep Timer Function
- Alarm Function

Package Contents

- DS-A1 Remote Interactive Dock
- AC Adapter
- Audio, S-Video and RI Cables
- iPod Adapters
- Instruction manual

A Simple Solution to Coloring Your Home with Music

Separate Collection

2005-2006



When it comes to music round the home, unless you're a fanatical audiophile, simplicity and quality are your key considerations. The CS-120 CD receiver system not only delivers on ease-of-use and audio performance, it's pretty much ready to conveniently fit in wherever you want it to. Based around Onkyo's core philosophy--superior circuit design, quality parts and clean audio signals--the CS-120 has a balanced, clean look that will provide hours of music enjoyment for years to come.

CS-120

SILVER BLACK

CD Receiver System

CR-305FX

CD Receiver

- 20 W/Ch, 4 Ω , DIN
- Discrete Output Stage Circuitry
- WRAT (Wide Range Amplifier Technology)
- 4 Ω Low-Impedance Drive Capability
- 4-Step Acoustic Presence
- Single-Bit D/A Converter
- 4 Repeat Modes
- DLA Link2
- Optical Digital Output
- 2 Audio Inputs and 2 Outputs
- Subwoofer Pre Out
- 4-Mode Timer
- 30 AM/FM Presets
- RDS (PS)
- Aluminum Front Panel
- Shuffle/Random (by Remote) Play Function
- Full-Function RI (Remote Interactive) Remote Control

D-N5FX

2-Way, Bass Reflex Speakers

- 12 cm Cone Woofer
- 2.5 cm Balanced-Dome Tweeter
- S-Line Edge for Responsive, Hi-Fidelity Sound
- Magnetically Shielded
- Extensively Braced MDF Cabinet
- Impedance: 5 Ω
- Max. Input Power: 70 W
- Frequency Response: 50 Hz-40 kHz

Optional

DS-A1

Remote Interactive (RI) Dock for the iPod

- Connects with Onkyo RI-compatible Receivers/Amplifiers and Audio-Video Systems
- Charges iPod through AC adapter
- Brings Audiophile Quality to Digital Music Files
- Enables iPod photo Slide Shows
- Brings Remote Control to the iPod
- Auto Selector Function
- Time Play/Sleep Timer Function
- Alarm Function

Package Contents

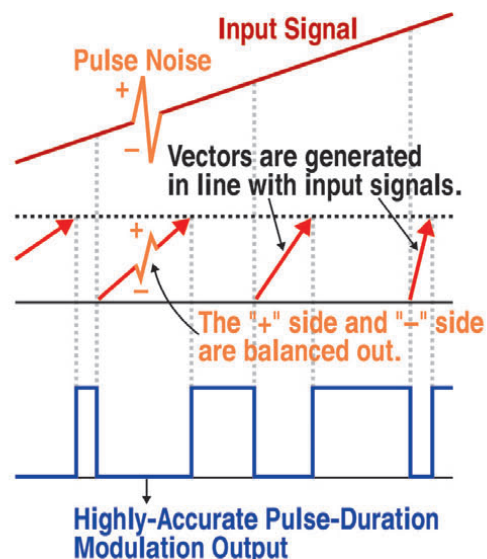
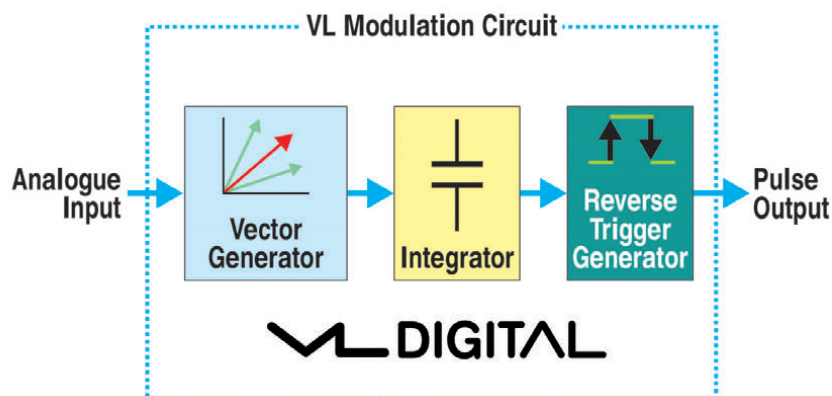
- DS-A1 Remote Interactive Dock
- AC Adapter
- Audio, S-Video and RI Cables
- iPod Adapters
- Instruction manual



VL Digital -- Hear What You've Been Searching For

Analog versus digital audio--there seems to be no end to this debate. However, there is one thing that is sure--audio signals are often tainted with unwanted noise in conventional amplifiers. Specifically designed to enhance the Pure Hi-Fi component range, Onkyo's digital amplifier design employs PWM (Pulse

Width Modulation) amplification and adds its exclusive VL (Vector Linear) technology to mask the noise and smooth the spikes in audio signals to reveal the subtlest nuances in movies and music. Features like this make the world of difference to quality hi-fi.



A Superb Series Offering Dedicated Audio Engineering with Versatile Music Playback



Without a doubt, digital technology is making some noise in the audio industry. But rest assured that any noise--particularly signal noise--is noticeably absent from the A-933 integrated amplifier and C-733 CD player thanks to Onkyo's commitment to promoting the cleanest signals through its proprietary technologies like VL Digital, VLSC (Vector Linear Shaping Technology) and Direct Digital Path. The A-933's dual toroidal power transformers and thick bus plate support a large, stable flow of current and also work to reduce impedance. The C-733 CD player's impressive engineering enables a super signal-to-noise ratio ensuring supreme playback quality. Capping off this series is the T-433 FM/AM RDS tuner, which uses RDS and Accuclock to deliver radio frequencies that will surprise you with their precision and clarity. Use these components as they best meet your needs.

PHA-933

SILVER

Amplifier, CD Player & Tuner Package

A-933

Integrated Digital Amplifier

- 80 W/Ch, Continuous 8 Ω, 1 kHz, DIN
- Exclusive Onkyo VL (Vector Linear) Digital Technology
- Discrete Output Stage Circuitry
- Dual Toroidal Power Transformers
- Low Impedance, Thick Bus Plate
- Tone Control (Bass/Treble/Super Bass)
- Source Direct Mode
- 6 Audio Inputs and 2 Outputs
- Linear Motor Volume Control
- A/B Speaker Selector and Outputs
- Banana Plug-Compatible Speaker Posts
- Brushed Hairline Aluminum Front Panel
- Full-Function RI (Remote Interactive) Remote Control

C-733

CD Player

- Plays CD, CD-R and CD-RW
- VLSC (Vector Linear Shaping Circuitry)
- 192 kHz/24-bit DAC
- DLA Link
- High-Precision Clock
- 2 Optical Digital Outputs
- 25-Track Programming
- Repeat/Random/Memory Playback
- Brushed Hairline Aluminum Front Panel
- Ultra-Smooth CD Loading Mechanism
- Direct Digital Path
- Blue FL Display

T-433

FM/AM Tuner

- Automatic FM/AM Scan Tuning
- 30 FM/AM Presets
- RDS (CT/PS/RT)
- Accuclock Function
- A-933 Remote Control Compatible
- 5-Mode Timer (1/2/3/4/Sleep)
- Hi-Rigidity, Anti-Resonant Chassis
- Blue FL Display
- Brushed Hairline Aluminum Front Panel

Optional

DS-A1

Remote Interactive (RI) Dock for the iPod

- Connects with Onkyo RI-compatible Receivers/Amplifiers and Audio-Video Systems
- Charges iPod through AC adapter
- Brings Audiophile Quality to Digital Music Files
- Enables iPod photo Slide Shows
- Brings Remote Control to the iPod
- Auto Selector Function
- Time Play/Sleep Timer Function
- Alarm Function

Package Contents

- DS-A1 Remote Interactive Dock
- AC Adapter
- Audio, S-Video and RI Cables
- iPod Adapters
- Instruction manual

A-1VL

SILVER

Integrated Digital Amplifier



VL DIGITAL

Onkyo's A-1VL digital stereo amplifier provides superior audio performance without sacrificing quality audiophile parts and build quality. This slim, futuristic digital amplifier possesses a low-impedance design with carefully selected audio parts—large capacity, separate toroidal transformers, thick copper bus plates and high-grade transparent speaker terminals. Also, the A-1VL combines PWM (Pulse Width Modulation) amplification and exclusive VL (Vector Linear) technology to smooth the ripples (fluctuations) and eliminate the noise inherent in analog or other PWM technologies. The result is 90% efficient amplification for wide dynamic and frequency ranges as well as noticeable sound harmony.

- 100 W/Ch, 1 kHz, 8 Ω, DIN
- Exclusive Onkyo VL Digital 2-Channel Amplifier
- Separate Toroidal Transformers for L/R Channels
- High-Grade, Banana-Plug Capable, Transparent Speaker Cables
- Low-Impedance, Brass Bus Plate
- Audiophile-Grade Parts
- Linear Motor Volume Control
- Brass Insulator
- Brass Pin Jacks
- Heavy-Duty, Inlet Power Cord
- Rugged Chassis to Prevent Vibrations
- RI (Remote Interactive) Compatible Remote Control

C-1VL

SILVER

Audiophile-Grade CD Player



192 kHz/24 bit VL VECTOR LINEAR SHAPING CIRCUITRY DIRECT DIGITAL PATH

The C-1VL CD player brings together superb audio reproduction, user-friendly operability and modern design sensibility. Displaying a range of technological advancements, this player effortlessly works with and complements the A-1VL digital stereo amplifier. Onkyo's exclusive VLSC (Vector Linear Shaping Circuitry) and high-grade Wolfson™ D/A converters ensure that the signal is free from the noise that taints other players. Also, a high-purity, heavy-gauge, shielded cable guarantees a digital audio signal that is noise-free and less susceptible to flux. The C-1VL CD player appeals to the music enthusiast who won't settle for anything less than the Onkyo approach to audio excellence.

- VLSC (Vector Linear Shaping Circuitry)
- High-Grade Wolfson™ 192 kHz/24-Bit DAC
- Direct Digital Path
- Digital Out On/Off
- Brass Insulator
- Brass Pin Jacks
- Heavy-Duty, Inlet Power Cord
- High-Grade Pin Cable Included
- 3 Digital Outputs (2 Optical/1 Coaxial)
- Rugged Chassis to Prevent Vibrations
- RI (Remote Interactive) Compatible Remote Control

A-9755

Integrated Digital Amplifier

SILVER BLACK



DIGITAL RI

- 100 W/Ch, continuous 8 Ω , 1 kHz, DIN
- Pure Stream Power Supply (two transformers)
- All discrete output stage circuitry
- Low-impedance, thick bus plate
- Optimum gain volume circuitry
- Precision motor driven volume control
- Tone control (Bass, Treble, Loudness On/Off)
- Pure direct mode
- Discrete phono equalizer (hybrid type circuitry)
- 7 gold-plated audio inputs and 2 outputs
- Main in terminal
- Blue illuminated volume control
- High-rigidity, anti-resonant chassis and brass stabilizers
- Speaker A/B posts
- Gold-plated, banana plug-compatible speaker posts
- Compatible with RI dock for the iPod
- RI (Remote Interactive) remote control

A-9555

Integrated Digital Amplifier

SILVER BLACK



DIGITAL RI

- 85 W/Ch, continuous 8 Ω , 1 kHz, DIN
- Pure Stream Power Supply (one transformer)
- All discrete output stage circuitry
- Low-impedance, thick bus plate
- Optimum gain volume circuitry
- Precision motor drive control
- Tone control (Bass, Treble, Loudness On/Off)
- Pure direct mode
- Discrete phono equalizer (hybrid type circuitry)
- 7 audio inputs and 2 outputs
- Aluminum volume and selector knob
- Blue illuminated volume control
- High-rigidity, anti-resonant chassis
- Speaker A/B posts
- Gold-plated, banana plug-compatible speaker posts
- Compatible with RI dock for the iPod
- RI (Remote Interactive) remote control

DX-7555

SILVER BLACK

CD Player


MP3 **192 kHz/24 bit** **VL** VECTOR LINEAR SHAPING CIRCUITRY **DDP** DIRECT DIGITAL PATH **DISC** **RI**

- Plays audio CDs, MP3 CDs, CD-Rs/CD-RWs
- VLSC (Vector Linear Shaping Circuitry)
- Super Precision Clock (± 1.5 ppm)
- Digital filter and phase control
- Massive power transformer
- Wolfson® 192 kHz/24-bit DAC
- Direct Digital Path

- Headphone jack with volume control
- Quick navigation for MP3 CD playback
- 25-step memory playback and repeat modes
- 4-mode dimmer
- High-rigidity, ant-resonant chassis
- Brushed hairline aluminum front panel
- RI (Remote Interactive) system compatible

DX-C390

SILVER BLACK

6-Disc CD Carousel Changer


MP3 **VL** VECTOR LINEAR SHAPING CIRCUITRY **DDP** DIRECT DIGITAL PATH **DISC** **6 DISC** **////** **VQA** **RI**

- VLSC (Vector Linear Shaping Circuitry)
- Vector Quantizer Audio (VQA) conversion technology
- Plays MP3 CDs and Audio CDs
- Change up to 5 Discs During Play
- Multi-Bit DAC
- Proprietary AccuPulse Quartz System
- Direct Digital Path
- Optical & Coaxial Digital Outputs

- Fixed Output
- 40-Track Programming
- Unique Next Selection Feature
- 6 Repeat Modes (Entire Disc/All Discs/Random Tracks/Programmed Tracks/Random Memory/Single Track)
- Brushed Hairline Aluminium Front Panel
- Full-Function RI (Remote Interactive) Remote Control

VQA (Vector Quantizer Audio)

VQA

Wolfson® 192 kHz/24-bit DAC Featuring VQA (Vector Quantizer Audio) Technology

The Wolfson® 192 kHz/24-bit DAC (digital-to-analog converter) is specially designed for digital audio applications. Incorporating a novel multi bit sigma-delta design, this DAC boasts a 128x oversampling rate to optimise the S/N (signal to noise) ratio performance and increased clock jitter tolerance. We have also incorporated this exclusive VQA (Vector Quantizer Audio) technology. This breakthrough provides a smoother and more stable signal up to and beyond 20 kHz for optimal sound from your CD collection.

Exclusive Mechanism

6 DISC **////** CAROUSEL MECHANISM


The DX-C390's exclusive design features a 6-disc carousel with an ultra-quiet loading mechanism.

DX-7333

CD Player

SILVER BLACK



COMPACT DISC DIGITAL AUDIO RI

- Proprietary AccuPulse Quartz System
- Unique Next Selection Feature
- Memory Reverse (Program Delete)
- Peak-Level Search via Remote
- 36-Track Random Memory
- 5 Repeat Modes (Full/Single/Memory/Shuffle/A-B)
- 2 Optical Digital Outputs
- Headphone Jack with Volume Control
- Brushed Hairline Aluminium Front Panel
- Full-Function RI (Remote Interactive) Remote Control

TX-8511

RDS FM/AM Stereo Receiver

SILVER BLACK



MRX RDS RI

- 100 W/Ch, Continuous 4 Ω , 1 kHz, DIN
- Discrete Output Stage Circuitry
- Low Impedance Drive Output Stage
- Multi-room Capability
- 4 Audio and 2 AV Inputs
- Video-1 to Video-2 Dubbing
- Separate A and B Speaker Selector
- Selective Tone Control
- FM/AM Random 30 Station Preset Tuning
- Full-Function RI (Remote Interactive) Remote Control

TX-8211

Quartz Synthesized RDS FM/AM Stereo Receiver

SILVER BLACK



RDS RI

- 70 W/Ch, Continuous 4 Ω , 1 kHz, DIN
- High-Current, Low-Impedance Drive
- Discrete Output Stage Circuitry
- 30 FM/AM Random Presets
- 2-Mode APR (Automatic Precision Tuning)
- RDS (PTY, TP, RT, PS)
- A/B Speaker Selector & Outputs
- Tape Monitor
- Aluminium Front Panel
- RI (Remote Compatible) Remote Control

A-9211

Integrated Amplifier

SILVER BLACK



RI

- 60 W/Ch, Continuous 8 Ω , 1 kHz, DIN
- High-Current, Low-Impedance Drive
- Shielded Heavy-Duty Power Supply
- Discrete Output Stage Circuitry
- Aluminium-Extruded Heat Sink
- A/B Speaker Selector & Outputs
- Direct Source/Tone Bypass Switch
- 5 Audio Inputs
- Aluminium Front Panel
- RI (Remote Interactive) Compatible Remote Control

T-4211

Quartz Synthesized FM/AM Stereo Tuner

SILVER BLACK



RDSRI

- Digital Synthesized Tuning
- High Sensitivity & Superb Selectivity
- High-Quality Front End
- 2-Mode APR (Automatic Precision Tuning)
- RDS (PTY, TP, RT, CT, PS)
- 30 RDS FM/AM Random Presets
- Selectable Character Display Input
- 3 Station-Group Presets (10 Stations Each)
- Aluminium Front Panel
- RI (Remote Interactive) System Compatible

TA-RW255

Double Cassette Deck

SILVER BLACK



RI

- Auto-reverse on both Decks; Auto-Reverse Record on Deck B
- Rugged Onkyo Transport System
- Dolby® B and C Noise Reduction
- CD Synchro Recording
- 8-Segment FL Peak Level Meters
- Peak Hold
- Auto Tape Selector
- Auto Spacing
- 4-digit Electronic Tape Counter
- Aluminium Front Panel
- RI (Remote Interactive) System Compatible

FEATURES

A/V RECEIVERS	TX-NR5000E	TX-SR803E	TX-SR703E	TX-SR603E	TX-SR503E	TX-SR303E	
POWER SPECIFICATIONS							
POWER OUTPUT*1	FRONT L/R (6 Ω, 1 kHz, DIN) CENTER (6 Ω, 1 kHz, DIN) SURROUND L/R (6 Ω, 1 kHz, DIN) SURROUND BACK (6 Ω, 1 kHz, DIN)	200 W/Ch 200 W 200 W/Ch 200 W/Ch (L/R)	140 W/Ch 140 W 140 W/Ch 140 W/Ch (L/R)	130 W/Ch 130 W 130 W/Ch 130 W/Ch (L/R)	125 W/Ch 125 W 125 W/Ch 125 W/Ch (L/R)	100 W/Ch 100 W 100 W/Ch 100 W/Ch (L/R)	90 W/Ch 90 W 90 W/Ch
DYNAMIC POWER*2	4 Ω (FRONT) 8 Ω (FRONT)	260 W/Ch 175 W/Ch	180 W/Ch 125 W/Ch	170 W/Ch 115 W/Ch	165 W/Ch 105 W/Ch	140 W/Ch 95 W/Ch	125 W/Ch 85 W/Ch
AMPLIFIER DESIGN							
IDENTICAL FULL-BANDWIDTH CHANNELS	7	7	7	7	7	5	
REDUCED NFB (NEGATIVE FEEDBACK) DESIGN	✓	✓	✓	✓	✓	✓	
WRAT (WIDE RANGE AMPLIFIER TECHNOLOGY)	✓	✓	✓	✓	✓	✓	
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)	✓	✓	✓	✓	✓	✓	
NON-SCALING CONFIGURATION	✓	✓	✓	✓	✓	✓	
DACS	192 kHz/24-Bit x 8	192 kHz/24-Bit x 8	192 kHz/24-Bit x 8	192 kHz/24-Bit x 8	192 kHz/24-Bit x 8	192 kHz/24-Bit x 6	
HIGH CURRENT LOW IMPEDANCE DRIVE	✓	✓	✓	✓	✓	✓	
ALL DISCRETE OUTPUT STAGE CIRCUITRY	✓	✓	✓	✓	✓	✓	
OPTIMUM GAIN VOLUME CIRCUITRY	✓ (Linear)	✓	✓	✓	✓	✓	
DIGITAL UPSAMPLING	✓	✓	✓	✓	✓	✓	
HOME THEATER FEATURES							
THX™ CERTIFIED	✓ (Ultra2)	✓ (Select2)	✓ (Select2)				
EXTENDED FREQUENCY RESPONSE (+1 dB, -3 dB)	5 Hz-100 kHz	10 Hz-100 kHz	10 Hz-100 kHz	10 Hz-100 kHz	10 Hz-100 kHz	10 Hz-100 kHz	
DTS®, DTS®-ES™ DISCRETE/MATRIX, DTS® Neo:6	✓	✓	✓	✓	✓	✓*3	
DTS® 96/24	✓	✓	✓	✓	✓		
DOLBY® DIGITAL, DOLBY® Pro Logic® IIx, DOLBY® DIGITAL EX™	✓	✓	✓	✓	✓	✓*4	
AUTO SPEAKER SET-UP WITH MICROPHONE	✓	✓	✓	✓	✓		
A-FORM LISTENING MODE MEMORY	✓	✓	✓	✓	✓	✓	
COMPOSITE TO S-VIDEO CONVERSION	✓	✓	✓	✓			
COMPOSITE AND S-VIDEO TO COMPONENT VIDEO UPCONVERSION	✓	✓	✓	✓			
MULTICHANNEL INPUTS	7.1 x 2	7.1	7.1	5.1	5.1	5.1	
CINEMAFILTER™	✓	✓	✓	✓	✓	✓	
DIGITAL SOUNDFIELD PROCESSING	✓	✓	✓	✓	✓	✓	
LATE NIGHT MODE	✓	✓	✓	✓	✓	✓	
COLOR-CODED SPEAKER TERMINALS	✓	✓	✓	✓	✓	✓	
ON-SCREEN DISPLAY	✓	✓	✓	✓	✓	✓	
ADJUSTABLE DIGITAL DELAY	✓	✓	✓	✓	✓	✓	
CROSSOVER ADJUSTMENT	✓	✓	✓	✓	✓	✓	
NETWORK FEATURES							
NET-TUNE™	✓						
ETHERNET PORT	✓						
NUMBER OF PRESETS (INTERNET RADIO)	30						
INPUTS/OUTPUTS							
i.LINK (IEEE1394) DIGITAL PORTS	2						
HDMI INPUTS/OUTPUT	2/1	2/1					
AUDIO AND AV INPUTS	9/5	3/5	3/5	2/5	2/4	2/4	
HDTV-READY COMPONENT VIDEO INPUTS/OUTPUTS	4/2	3/1	3/1	3/1	3/1		
FRONT-PANEL VIDEO INPUT (WITH S-VIDEO)	✓	✓	✓	✓	✓ (Composite)		
S-VIDEO COMPATIBLE INPUTS/OUTPUTS	7/4	5/3	5/3	5/3	3/2		
DIGITAL INPUTS	7 Optical (1 Front panel) 6 Coaxial	5 Optical (1 Front panel) 2 Coaxial	5 Optical (1 Front panel) 2 Coaxial	4 Optical (1 Front panel) 2 Coaxial	3 Optical 1 Coaxial	1 Optical 1 Coaxial	
DIGITAL OUTPUTS	2 Optical/2 Coaxial	1 Optical	1 Optical	1 Optical			
RS232 CONTROL PORT	✓	✓	✓				
IR INPUTS/OUTPUTS	3/3	1/1	1/0	1/0			
PRE OUTS							
FRONT L/R, CENTER	✓	✓	✓				
SURROUND L/R	✓	✓	✓				
SURROUND BACK	✓ (L/R)	✓ (L/R)	✓ (L/R)				
SUBWOOFER	✓ (2)	✓	✓	✓	✓	✓	
OTHER FEATURES							
DOT-MATRIX DISPLAY	✓	✓	✓	✓	✓	✓	
DISPLAY DIMMER	4 Levels	3 Levels	3 Levels	3 Levels	3 Levels	3 Levels	
PURE AUDIO MODE	✓	✓	✓	✓	✓	✓	
DUAL BANANA PLUG-COMPATIBLE SPEAKER POSTS	✓	✓	✓	✓ (Except Zone 2)	✓ (Except SP-B)		
SLEEP TIMER (90 MINUTES; 10-MIN STEPS)	✓	✓	✓	✓	✓	✓	
PHONO INPUT	✓	✓	✓				
HEADPHONE JACK	✓	✓	✓	✓	✓	✓	
ZONE 2 LINE OUT	✓ (Audio/Video)	✓	✓	✓			
POWERED ZONE 2	✓ (and Zone 3)	✓	✓	✓			
12 VOLT TRIGGER	5	1 (Zone 2)	1 (Zone 2)	1 (Zone 2)			
A/B SPEAKER DRIVE	✓				A and B	A and B	
TUNER FEATURES							
NUMBER OF PRESETS (FM/AM)	40	40	40	40	30	30	
RDS (RADIO DATA SYSTEM)	✓	✓	✓	✓	✓	✓	
CONTROL							
FULL-FUNCTION RI REMOTE CONTROL	Prepro/Learning/Backlit	Prepro/Learning/Backlit	Prepro/Learning/Backlit	Prepro/Learning	Prepro	✓	
MACRO FUNCTION	✓	✓	✓	✓			
ABSOLUTE/RELATIVE VOLUME DISPLAY	✓	✓	✓	✓	Absolute	Absolute	
INTELLIVOLUME	✓	✓	✓	✓			
COLOR	Silver or Black	Silver or Black	Silver or Black	Silver or Black	Silver or Black	Silver	

*1 Channels are measured separately. *2 Calculated on basis of IHF Dynamic headroom. *3 DTS® Neo:6 5.1 only. *4 Dolby® Digital, Dolby® Pro Logic® II only.

DVD/CD PLAYERS

**¹Channels are measured separately. *²Calculated on basis of IHF Dynamic headroom. *³Discs that have not been properly finalized may only be partially playable or not playable at all.*

FEATURES

CD PLAYERS	C-1VL	DX-7555	DX-7333	DX-C390	C-733	C-705TX
VLSC (VECTOR LINEAR SHAPING CIRCUITRY)	✓	✓		✓	✓	
DIRECT DIGITAL PATH	✓	✓		✓		
SUPER HIGH-PRECISION CLOCK	✓	✓			✓	
MP3 CD PLAYBACK		✓		✓		
6-DISC CHANGER				Carousel		
PEAK SEARCH			✓		✓ (DLA Link)	✓ (DLA Link 2)
DIGITAL OUTPUT ON/OFF	✓	✓				
NUMBER OF REPEAT MODES	4	4	3	6	4	4
RANDOM TRACK MEMORY	25	25	36	40	25	25
SHUFFLE/RANDOM PLAY	By Remote	By Remote	By Remote	✓	✓	By Remote (Random)
NEXT SELECTION			✓	✓		
TIME EDIT			✓			
DIGITAL OUTPUTS	2 Optical/1 Coaxial	1 Optical/1 Coaxial	2 Optical	1 Optical/1 Coaxial	2 Optical	2 Optical
ANALOG OUTPUT (FIXED)	✓	✓	✓	✓	✓	✓
HEADPHONE JACK WITH VOLUME CONTROL		✓	✓			
FULL-FUNCTION RI REMOTE CONTROL		✓	✓	✓		
COLOR	Silver	Silver or Black	Silver or Black	Silver or Black	Silver	Silver

CASSETTE DECKS	K-505TX	TA-RW255
NUMBER OF MOTORS	1	1 + 1
NUMBER OF TAPE HEADS	2	1 + 2
DOUBLE CASSETTE DECK		✓
HIGH-SPEED DUBBING		✓
DOUBLE AUTO REVERSE		✓
AUTO REVERSE	✓	✓
CONTINUOUS PLAY		✓
REC LEVEL CONTROLS	✓	✓
CD SYNCHRO RECORDING	✓	✓
REPEAT PLAY	✓	✓
MUSIC SEARCH	✓	
DOLBY® B AND C NOISE REDUCTION	✓	✓
DOLBY® HX PRO	✓	
ELECTRONIC COUNTER	✓	✓
FLUORESCENT DISPLAY	✓	✓
RI REMOTE SYSTEM	✓	✓
COLOR	Silver	Silver or Black

INTEGRATED AMPLIFIER	A-1VL	A-9755	A-9555	A-9211	A-933
POWER OUTPUT (8 Ω, 1 kHz, DIN)	100 W/Ch	100 W/Ch (Tentative)	85 W/Ch (Tentative)	45 W/Ch	80 W/Ch
DYNAMIC POWER*2 (4 Ω)	240 W/Ch	—	—	80 W/Ch	240 W/Ch
DISCRETE OUTPUT STAGE CIRCUITRY	✓	✓	✓	✓	✓
AUDIO INPUTS/OUTPUTS	4/1	7/2	7/2	6/2	5/2
PRE OUT	✓				✓ (Subwoofer)
MAIN IN	✓	✓			✓
PHONO INPUT	✓	✓	✓	✓	✓
DIRECT FUNCTION	✓	✓	✓	✓	✓
TWO SETS OF SPEAKER OUTPUTS	✓	✓	✓	✓	✓
HEAVY-DUTY MULTIWAY BINDING POSTS	✓	✓	✓	✓	✓
HEADPHONE JACK		✓	✓	✓	✓
FULL-FUNCTION RI REMOTE CONTROL		✓	✓	✓	✓
COLOR	Silver	Silver or Black	Silver or Black	Silver or Black	Silver

TUNER	T-4211	T-433
RDS (RADIO DATA SYSTEM)	✓	✓
NUMBER OF PRESETS	30	30
APR (AUTOMATIC PRECISION RECEPTION)	2-Mode	
GROUP MEMORY	3	
DIRECT ACCESS TUNING	✓	✓
AUTOMATIC/MANUAL TUNING	✓	✓
PRESET SCAN	✓	✓
SIGNAL STRENGTH INDICATOR	5-Segment	
RECEPTION MODE INDICATORS	✓	✓
RI REMOTE SYSTEM	✓	✓
COLOR	Silver or Black	Silver

SPEAKERS	D-N3X	D-B8	D-N5FX	D-SX7A
TYPE	2-Way Bass Reflex	2-Way Bass Reflex	2-Way Bass Reflex	2-Way Bass Reflex
NOMINAL IMPEDANCE	5 Ω	4 Ω	5 Ω	5 Ω
MAX. INPUT POWER	70 W	70 W	70 W	70 W
FREQUENCY RESPONSE	60 Hz-35 kHz	50 Hz-35 kHz	50 Hz-40 kHz	50 Hz-35 kHz
DRIVERS	WOOFER	12 cm OMF Diaphragm	12 cm Cone	12 cm OMF Diaphragm
	TWEETER	2.5 cm Soft-Dome	2.5 cm Balanced-Dome	2.5 cm Soft-Dome

SPECIFICATIONS

A/V RECEIVERS	TX-NR5000E	TX-SR803E	TX-SR703E	TX-SR603E	TX-SR503E	TX-SR303E
AMPLIFIER SECTION						
Power Output** (6 Ω, 1 kHz, DIN)						
Front L/R	200 W/Ch	140 W/Ch	130 W/Ch	125 W/Ch	100 W/Ch	90 W/Ch
Center	200 W	140 W	130 W	125 W	100 W	90 W
Surround L/R	200 W/Ch	140 W/Ch	130 W/Ch	125 W/Ch	100 W/Ch	90 W/Ch
Surround Back	200 W/Ch (L/R)	140 W/Ch (L/R)	130 W/Ch (L/R)	125 W/Ch (L/R)	100 W/Ch (L/R)	90 W/Ch
Dynamic Power** 4 Ω/8 Ω (front)	260 W/Ch/175 W/Ch	180 W/Ch/125 W/Ch	170 W/Ch/115 W/Ch	165 W/Ch/105 W/Ch	140 W/Ch/95 W/Ch	125 W/Ch/85 W/Ch
THD (Rated Power)	0.05 % (All channels)	0.08 % (All channels)	0.08 % (All channels)	0.08 % (All channels)	0.08 % (All channels)	0.08 % (All channels)
Damping Factor (1 kHz, 8 Ω)	60	60	60	60	60	60
Input Sensitivity and Impedance						
PHONO (MM)	2.5 mV, 50 kΩ	2.5 mV, 47 kΩ	2.5 mV, 47 kΩ	—	—	—
CD and TAPE Play	200 mV, 50 kΩ	200 mV, 47 kΩ	200 mV, 47 kΩ	200 mV, 47 kΩ	200 mV, 47 kΩ	200 mV, 47 kΩ
Output Level and Impedance						
TAPE REC	200 mV, 470 Ω	200 mV, 470 Ω	200 mV, 470 Ω	200 mV, 470 Ω	200 mV, 470 Ω	200 mV, 470 Ω
PRE OUT	1.0 V, 470 Ω	1.0 V, 470 Ω	1.0 V, 470 Ω	1.0 V, 470 Ω	1.0 V, 470 Ω	1.0 V, 470 Ω
Frequency Response Audio (CD in Direct Mode)	5 Hz-100 kHz: +1 dB, -3 dB	10 Hz-100 kHz: +1 dB, -3 dB	10 Hz-100 kHz: +1 dB, -3 dB	10 Hz-100 kHz: +1 dB, -3 dB	10 Hz-100 kHz: +1 dB, -3 dB	10 Hz-100 kHz: +1 dB, -3 dB
S/N Ratio						
PHONO (MM)	80 dB (IHF-A, 5 mV input)	80 dB (IHF-A, 5 mV input)	80 dB (IHF-A, 5 mV input)	—	—	—
CD/TAPE	95 dB (IHF-A, 0.5 V input)	106 dB (IHF-A, 0.5 V input)	106 dB (IHF-A, 0.5 V input)	106 dB (IHF-A, 0.5 V input)	100 dB (IHF-A, 0.5 V input)	100 dB (IHF-A, 0.5 V input)
Phono Overload (1 kHz)	120 mV RMS, 0.5 % THD	70 mV RMS, 0.5 % THD	70 mV RMS, 0.5 % THD	—	—	—
Tone Controls						
BASS	±12 dB at 50 Hz	±10 dB at 50 Hz	±10 dB at 50 Hz	±10 dB at 50 Hz	±10 dB at 50 Hz	±10 dB at 50 Hz
MID	±12 dB at 1 kHz	—	—	—	—	—
TREBLE	±12 dB at 20 kHz	±10 dB at 20 kHz	±10 dB at 20 kHz	±10 dB at 20 kHz	±10 dB at 20 kHz	±10 dB at 20 kHz
TUNER SECTION						
Usable Sensitivity						
FM Mono	11.2 dBf, 1.0 μV (75 Ω IHF)	15.2 dBf, 1.0 μV (75 Ω IHF)	15.2 dBf, 1.0 μV (75 Ω IHF)	11.2 dBf, 1.0 μV (75 Ω IHF)	11.2 dBf, 1.0 μV (75 Ω IHF)	11.2 dBf, 1.0 μV (75 Ω IHF)
FM Stereo	17.2 dBf, 2.0 μV (75 Ω IHF)	22.2 dBf, 2.0 μV (75 Ω IHF)	22.2 dBf, 2.0 μV (75 Ω IHF)	17.2 dBf, 2.0 μV (75 Ω IHF)	17.2 dBf, 2.0 μV (75 Ω IHF)	17.2 dBf, 2.0 μV (75 Ω IHF)
AM	30 μV	30 μV	30 μV	30 μV	30 μV	30 μV
S/N Ratio						
FM Mono	76 dB (IHF-A)	73 dB (IHF-A)	73 dB (IHF-A)	76 dB (IHF-A)	76 dB (IHF-A)	76 dB (IHF-A)
FM Stereo	70 dB (IHF-A)	67 dB (IHF-A)	67 dB (IHF-A)	70 dB (IHF-A)	70 dB (IHF-A)	70 dB (IHF-A)
AM	40 dB	40 dB	40 dB	40 dB	40 dB	40 dB
THD						
FM Mono	0.2 %	0.3 %	0.3 %	0.2 %	0.2 %	0.2 %
FM Stereo	0.3 %	0.5 %	0.5 %	0.3 %	0.3 %	0.3 %
AM	0.7 %	0.7 %	0.7 %	0.7 %	0.7 %	0.7 %
FM Stereo Separation	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz	40 dB at 1 kHz —	40 dB at 1 kHz —	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz
GENERAL						
Dimensions (W x H x D)	435 x 220 x 480.5 mm	435 x 173.5 x 430 mm	435 x 173.5 x 430 mm	435 x 174 x 377 mm	435 x 150 x 374 mm	435 x 150 x 369 mm
Weight	33 kg	13.5 kg	13.5 kg	11.0 kg	10.1 kg	8.5 kg

DVD PLAYERS	DV-SP1000E	DV-SP503E	DV-SP403E	DV-SP303E	AUDIO NETWORK RECEIVER	NC-500XE
Linear Velocity					AMPLIFIER SECTION	
Single layer	3.49 m/s	3.49 m/s	3.49 m/s	3.49 m/s	Power Output (6 Ω, 1 kHz, DIN)	17 W/Ch
Dual layer	3.84 m/s	3.84 m/s	3.84 m/s	3.84 m/s	THD (Rated Power)	0.1 %
Frequency Range (Digital Audio)			—	—	IM Distortion	0.6 %
DVD-Audio	4 Hz-88 kHz (192 kHz sampling)	4 Hz-88 kHz (192 kHz sampling)	—	—	Damping Factor (1 kHz, 8 Ω)	30
DVD Linear Sound	4 Hz-44 kHz (96 kHz sampling)	4 Hz-44 kHz (96 kHz sampling)	4 Hz-44 kHz (96 kHz sampling)	4 Hz-44 kHz (96 kHz sampling)	Input Sensitivity and Impedance	
	4 Hz-22 kHz (48 kHz sampling)	4 Hz-22 kHz (48 kHz sampling)	4 Hz-22 kHz (48 kHz sampling)	4 Hz-22 kHz (48 kHz sampling)	AUX	150 mV, 50 kΩ
Audio CD	4 Hz-20 kHz (44.1 kHz sampling)	4 Hz-20 kHz (44.1 kHz sampling)	4 Hz-20 kHz (44.1 kHz sampling)	4 Hz-20 kHz (44.1 kHz sampling)	Frequency Response	10 Hz-50 kHz (+1 dB, -3 dB)
S/N Ratio (Digital Audio)	118 dB	106 dB	106 dB	106 dB	S/N Ratio	100 dB (IHF-A, 0.5 V input)
Audio Dynamic Range (Digital Audio)	100 dB	96 dB	96 dB	96 dB	Muting	-60 dB
Harmonic Distortion (Digital Audio) (1 kHz)	0.001 %	0.003 %	0.003 %	0.003 %	TUNER SECTION	
Wow and Flutter	Below threshold of measurability	Below threshold of measurability	Below threshold of measurability	Below threshold of measurability	Usable Sensitivity	
Composite Video Output	1.0 V p-p, 75 Ω, negative sync., pin jack x 2, SCART x 1 (Y) 1.0 V p-p, 75 Ω, (C) 0.286 V p-p, 75 Ω, negative sync., Mini DIN 4-pin x 2, SCART x 1	1.0 V p-p, 75 Ω, negative sync., pin jack x 1, SCART x 1 (Y) 1.0 V p-p, 75 Ω, (C) 0.286 V p-p, 75 Ω, negative sync., Mini DIN 4-pin x 1, SCART x 1	1.0 V p-p, 75 Ω, negative sync., pin jack x 1, SCART x 1 (Y) 0.7 V p-p, 75 Ω, (C) 0.286 V p-p, 75 Ω, negative sync., Mini DIN 4-pin x 1, SCART x 1	1.0 V p-p, 75 Ω, negative sync., pin jack x 1, SCART x 1 (Y) 0.7 V p-p, 75 Ω, (C) 0.286 V p-p, 75 Ω, negative sync., Mini DIN 4-pin x 1, SCART x 1	FM Mono FM Stereo AM	11.2 dBf, 1.0 μV (75 Ω IHF) 17.2 dBf, 2.0 μV (75 Ω IHF) 30 μV
S-Video Output	(Y) 1.0 V p-p, 75 Ω, negative sync., pin jack x 1, (Ps)/(Pr) 0.7 V p-p, 75 Ω, SCART x 1	(Y) 1.0 V p-p, 75 Ω, negative sync., pin jack x 1, (Ps)/(Pr) 0.7 V p-p, 75 Ω, SCART x 1	(Y) 1.0 V p-p, 75 Ω, negative sync., pin jack x 1, (Ps)/(Pr) 0.7 V p-p, 75 Ω, SCART x 1	(Y) 1.0 V p-p, 75 Ω, negative sync., pin jack x 1, (Ps)/(Pr) 0.7 V p-p, 75 Ω, SCART x 1	S/N Ratio FM Mono FM Stereo AM	73 dB (IHF-A) 67 dB (IHF-A) 40 dB
Component Video Output	(Y) 1.0 V p-p, 75 Ω, negative sync., pin jack x 1, (Ps)/(Pr) 0.7 V p-p, 75 Ω, SCART x 1	(Y) 1.0 V p-p, 75 Ω, negative sync., pin jack x 1, (Ps)/(Pr) 0.7 V p-p, 75 Ω, SCART x 1	(Y) 1.0 V p-p, 75 Ω, negative sync., pin jack x 1, (Ps)/(Pr) 0.7 V p-p, 75 Ω, SCART x 1	(Y) 1.0 V p-p, 75 Ω, negative sync., pin jack x 1, (Ps)/(Pr) 0.7 V p-p, 75 Ω, SCART x 1	THD FM Mono FM Stereo AM	0.2 % 0.3 % 0.7 %
RGB Video Output	0.7 V p-p, 75 Ω, SCART x 1	0.7 V p-p, 75 Ω, SCART x 1	0.7 V p-p, 75 Ω, SCART x 1	0.7 V p-p, 75 Ω, SCART x 1	FM Stereo Separation	45 dB at 1 kHz 30 dB at 100 Hz-10 kHz
Audio Output			—	—	GENERAL	
Digital (Optical)	-22.5 dBm x 2	-22.5 dBm x 1	—	—	Power Consumption	58 W
Digital (Coaxial)	0.5 V p-p, 75 Ω, pin jack x 2	0.5 V p-p, 75 Ω, pin jack x 1	0.5 V p-p, 75 Ω, pin jack x 1	0.5 V p-p, 75 Ω, pin jack x 1	Dimensions (W x H x D)	205 x 91 x 279 mm
Analog Audio	2.0 V RMS, 320 Ω, pin jack (5.1 ch) x 1, pin jack (L/R) x 1, SCART x 1	2.0 V RMS, 470 Ω, pin jack (5.1 ch) x 1, pin jack (L/R) x 1, SCART x 1	2.0 V RMS, 470 Ω, pin jack (L/R) x 1, SCART x 1	2.0 V RMS, 470 Ω, pin jack (L/R) x 1, SCART x 1	Weight	3.9 kg
Power Supply	230-240 V AC, 50 Hz	100-240 V AC, 50/60 Hz	220-240 V AC, 50 Hz	220-240 V AC, 50 Hz		
Power Consumption	48 W	12 W	7 W	7 W		
Dimensions (W x H x D)	435 x 123 x 374 mm	435 x 81 x 309 mm	435 x 60.5 x 215.5 mm	435 x 60.5 x 215.5 mm		
Weight	12.1 kg	3.4 kg	1.8 kg	1.8 kg		
Supplied Accessories	Audio/Video cable x 1, S-Video cable x 1, SCART cable x 1, Remote control (RC-563DV) x 1, HDMI cable x 1, i.LINK cable x 1	Audio/Video cable x 1, S-Video cable x 1, SCART cable x 1, Remote control (RC-574DV) x 1	Audio/Video cable x 1, SCART cable x 1, Remote control (RC-616DV) x 1	Audio/Video cable x 1, SCART cable x 1, Remote control (RC-616DV) x 1		

CASSETTE DECK	TA-RW255
Wow and Flutter (WRMS)	
	0.13 %
Frequency Response	
METAL	30 Hz-15 kHz ±3 dB
HIGH	30 Hz-14 kHz ±3 dB
NORMAL	30 Hz-13 kHz ±3 dB
S/N Ratio (METAL, Dolby® NR off)	56 dB
Heads	
Rec & Pb.	Special hard permalloy x 2
Erase	Ferrite x 1
Motors	
	DC servo motor x 2
Dimensions (W x H x D)	435 x 121 x 303 mm
Weight	4.9 kg

*Channels are measured separately. **Calculated on basis of IHF Dynamic headroom.

SPECIFICATIONS

HOME STYLE COMPONENTS	TX-L55	CR-L5
RECEIVER/CONTROL CENTER SECTION		
AMPLIFIER SECTION		
Power Output** (6 Ω , 1 kHz, DIN)	60 W/Ch	—
Power Output** (4 Ω , 1 kHz, DIN)	—	50 W/Ch
THD (Rated Power/1 W Output)	1 %/—	1 %/0.2 %
Frequency Response	10 Hz-60 kHz (\pm 1.5 dB)	10 Hz-100 kHz (\sim 3 dB)
S/N Ratio	100 dB (IHF-A)	100 dB (IHF-A)
TUNER SECTION		
Usable Sensitivity		
FM Mono	11.2 dBf, 1.0 μ V (75 Ω IHF)	11.2 dBf, 1.0 μ V (75 Ω IHF)
FM Stereo	17.2 dBf, 2.0 μ V (75 Ω IHF)	17.2 dBf, 2.0 μ V (75 Ω IHF)
AM	30 μ V	30 μ V
S/N Ratio		
FM Mono	70 dB (IHF-A)	73 dB
FM Stereo	67 dB (IHF-A)	67 dB
AM	40 dB	40 dB
THD		
FM Mono/FM Stereo/AM	0.2 % / 0.3 % / 0.7 %	0.2 % / 0.3 % / 0.7 %
FM Stereo Separation	45 dB at 1 kHz, 30 dB at 100 Hz-10 kHz	35 dB at 1 kHz, 25 dB at 100 Hz-10 kHz
GENERAL		
Power Consumption	110 W	—
Dimensions (W x H x D)	435 x 81.5 x 378 mm	—
Weight	6.5 kg	—
DVD SECTION	DV-L55	
Signal Readout System	Optical non-contact	—
Linear Velocity		
Single Layer/Dual Layer	3.49 m/s/3.84 m/s	—
Frequency Range (Digital Audio)		
DVD Linear Sound	4 Hz-22 kHz (48 kHz), 4 Hz-44 kHz (96 kHz) 4 Hz-20 kHz (44.1 kHz)	—
Audio CD	—	—
Harmonic Distortion (1 kHz)	0.003 %	—
Audio Dynamic Range	96 dB	—
S/N Ratio	106 dB	—
Wow and Flutter	Below threshold of measurability	—
Composite Video Output	1.0 V p-p, 75 Ω , negative sync., pin jack x 1	—
S-Video Output	(Y) 1.0 V p-p, 75 Ω , (C) 0.286 V p-p, 75 Ω negative sync., Mini DIN 4-pin x 1, SCART x 1	—
Component Video Output	(Y) 1.0 V p-p, 75 Ω , negative sync., pin jack x 1, (Ps)/(Pr) 0.7 V p-p, 75 Ω , SCART x 1	—
RGB Video Output	0.7 V p-p, 75 Ω , SCART x 1	—
Audio Output		
Digital (Optical)	- 22.5 dBm x 1	—
Digital (Coaxial)	0.5 V p-p, 75 Ω , pin jack x 1	—
Analog Audio	2.0 V RMS, 470 Ω , pin jack (L/R) x 1	—
CD SECTION		
Signal Readout System	Optical non-contact	Optical non-contact
Reading Rotation	About 200-500 r.p.m. (Constant linear velocity)	About 200-500 r.p.m. (Constant linear velocity)
Linear Velocity	3.49 m/s (Single layer), 3.84 m/s (Dual layer)	3.49 m/s (Single layer), 3.84 m/s (Dual layer)
Error Correction System	Reed Solomon Product Code	Reed Solomon Product Code
DAC	192 kHz/24-Bit	96 kHz/24-Bit
Number of Channels	2 (Stereo)	2 (Stereo)
Digital Filter	352.8 kHz, 8x oversampling	352.8 kHz, 8x oversampling
Frequency Response	4 Hz-20 kHz	5 Hz-20 kHz
Wow and Flutter	Below threshold of measurability	Below threshold of measurability
GENERAL		
Power Supply	230-240 V AC, 50 Hz	230-240 V AC, 50 Hz
Power Consumption	11 W	130 W
Dimensions (W x H x D)	435 x 82 x 351 mm	435 x 81.5 x 382 mm
Weight	3.6 kg	6.8 kg
Supplied Accessories	SCART cable x 1, Audio/Video cable x 1, S-Video cable x 1, Remote control (RC-450DV) x 1	Remote control (RC-535) x 1
TUNER	T-4211	
Tuning Range		
FM	87.50-108.00 MHz (50 kHz steps)	
AM	522-1611 kHz (9 kHz steps)	
Usable Sensitivity		
FM Mono	11.2 dBf, 0.9 μ V 75 Ω DIN	
FM Stereo	17.2 dBf, 20.0 μ V 75 Ω DIN	
AM	25 μ V	
Capture Ratio (FM)	1.5 dB	
Image Rejection Ratio	80 dB	
IF Rejection Ratio (FM)	90 dB	
S/N Ratio		
FM Mono (IHF)	73 dB	
FM Stereo (IHF)	66 dB	
AM	40 dB	
Harmonic Distortion		
FM Mono	0.1 % (Wide)	
FM Stereo	0.2 % (Wide)	
AM	0.8 %	
Frequency Response (FM)	30 Hz-15 kHz (\pm 1.5 dB)	
FM Stereo Separation	40 dB at 1 kHz	
Dimensions (W x H x D)	435 x 91 x 305 mm	
Weight	3.6 kg	

INTEGRATED AMPLIFIER	A-1VL	A-9755
Power Output (8 Ω , 1 kHz, DIN)	100 W/Ch	100 W/Ch (Tentative)
Dynamic Power** 4 Ω /8 Ω	240 W/Ch/130 W/Ch	—/—
THD (Rated Power)	0.08 %	0.08 %
Damping Factor (8 Ω , 1 kHz)	25	25
Sensitivity and Impedance		
Phono MM	2.5 mV (50 k Ω)	2.5 mV (50 k Ω)
CD, Tuner, Tape	200 mV (50 k Ω) (LINE)	200 mV (50 k Ω)
Rec Out	200 mV (2.2 k Ω)	200 mV (2.2 k Ω)
Tone Controls		
Bass	—	\pm 10 dB at 100 Hz
Treble	—	\pm 10 dB at 20 kHz
Loudness	—	\pm 9 dB at 100 Hz/+ 2 dB at 10 kHz
Frequency Response	10 Hz-60 kHz/+ 1 dB, - 3 dB(CD)	10 Hz-100 kHz/+ 1 dB, - 3 dB (6 Ω)
S/N Ratio (IHF-A)		
Phono MM	70 dB	70 dB
CD	100 dB	100 dB
Phono Overload (MM 1 kHz 0.5%)	130 mV	70 mV
Dimensions (W x H x D)	435 x 82 x 390 mm	435 x 144 x 431 mm (Tentative)
Weight	11.3 kg	17.6 kg (Tentative)
INTEGRATED AMPLIFIER	A-9555	A-9211
Power Output (8 Ω , 1 kHz, DIN)	85 W/Ch (Tentative)	45 W/Ch
Dynamic Power** 4 Ω /8 Ω	—/—	80 W/Ch/55 W/Ch
THD (Rated Power)	0.08 %	0.08 %
Damping Factor (8 Ω , 1 kHz)	25	60
Sensitivity and Impedance		
Phono MM	2.5 mV (50 k Ω)	2.5 mV (47 k Ω)
CD, Tuner, Tape	200 mV (50 k Ω)	150 mV (25 k Ω)
Rec Out	200 mV (2.2 k Ω)	150 mV (3 k Ω)
Tone Controls		
Bass	\pm 10 dB at 100 Hz	\pm 8 dB at 100 Hz
Treble	\pm 10 dB at 20 kHz	\pm 8 dB at 10 kHz
Loudness	\pm 9 dB at 100 Hz/+ 2 dB at 10 kHz	\pm 8 dB at 100 Hz/+ 2 dB at 10 kHz
Frequency Response	10 Hz-100 kHz/+ 1 dB, - 3 dB (6 Ω)	15 Hz-50 kHz (\pm 1 dB)
S/N Ratio (IHF-A)		
Phono MM	70 dB	80 dB (5.0 mV input)
CD	100 dB	102 dB
Phono Overload (MM 1 kHz 0.5%)	70 mV	130 mV RMS
Dimensions (W x H x D)	435 x 148 x 431 mm (Tentative)	435 x 120 x 331 mm
Weight	13.0 kg (Tentative)	6.7 kg
HI-FI RECEIVER	TX-8511	TX-8211
AMPLIFIER SECTION		
Power Output (4 Ω 1 kHz DIN)	100 W/Ch	70 W/Ch
Dynamic Power** 4 Ω /8 Ω (Front)	120 W/Ch/75 W/Ch	90 W/Ch/55 W/Ch
THD (Rated Power)	0.08 %	0.08 %
Frequency Response	20 Hz-30 kHz (\pm 1 dB)	20 Hz-30 kHz (\pm 1 dB)
S/N Ratio		
CD/TAPE	100 dB (IHF-A)	100 dB (IHF-A)
TUNER SECTION		
Usable Sensitivity		
FM Mono	11.2 dBf, 1.0 μ V (75 Ω IHF)	11.2 dBf, 1.0 μ V (75 Ω IHF)
FM Stereo	17.2 dBf, 2.0 μ V (75 Ω IHF)	17.2 dBf, 2.0 μ V (75 Ω IHF)
AM	30 μ V	30 μ V
S/N Ratio		
FM Mono	76 dB (IHF-A)	76 dB (IHF-A)
FM Stereo	70 dB (IHF-A)	70 dB (IHF-A)
AM	40 dB	40 dB
THD		
FM Mono	0.15 %	0.15 %
FM Stereo	0.25 %	0.25 %
AM	0.7 %	0.7 %
FM Stereo Separation	45 dB at 1 kHz	45 dB at 1 kHz
GENERAL		
Dimensions (W x H x D)	435 x 150 x 322 mm	435 x 150 x 322 mm
Weight	8.9 kg	8.3 kg
CD PLAYERS	C-1VL	DX-7555
Frequency Response	5 Hz-20 kHz	5 Hz-20 kHz (Tentative)
S/N Ratio	110 dB	110 dB (Tentative)
Dynamic Range	96 dB	100 dB (Tentative)
THD (1 kHz)	0.002 %	0.003 % (Tentative)
Channel Separation (1 kHz)	100 dB	—
Wow and Flutter	Below threshold of measurability	Below threshold of measurability
Dimensions (W x H x D)	435 x 81.5 x 356 mm	435 x 111 x 405 mm
Weight	6.8 kg	7.8 kg
CD PLAYERS	DX-7333	DX-C390
Frequency Response	5 Hz-20 kHz	5 Hz-20 kHz
S/N Ratio	90 dB	98 dB
Dynamic Range	96 dB	96 dB
THD (1 kHz)	0.005 %	0.005 %
Channel Separation (1 kHz)	85 dB	92 dB
Wow and Flutter	Below threshold of measurability	Below threshold of measurability
Dimensions (W x H x D)	435 x 91 x 308 mm	435 x 131 x 432 mm
Weight	4.1 kg	6.9 kg

Premium Digital Philosophy

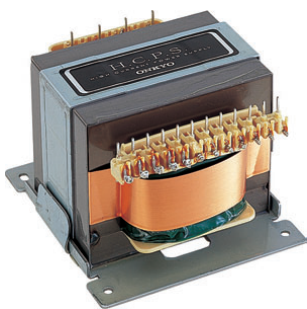
This philosophy represents Onkyo's all-inclusive approach to building digital components that incorporate our core technologies, high-quality parts and a focus on performance. It's all part of a comprehensive formula that enables us to offer products recognized for audio excellence, superior construction, a high level of reliability and ease of use.

CinemaFILTER™



The tonal balance of a film soundtrack can be edgy and bright when played back over audio equipment in your home - this is because film soundtracks are designed to be played back in large theaters, using commercial equipment. Onkyo has developed its own solution that restores the correct tonal balance of a movie soundtrack in the smaller environs of your home theater.

High Current Power Supply (H.C.P.S.) Transformer



Watts, watts, watts—that's all those other makers can talk about. If you want to see where real power comes from, pop the hood on any Onkyo receiver (actually, you can't "pop" it off—the anti-resonant cover is securely fastened to the thick-gauge reinforced-steel chassis by multiple machine screws to resist vibration). Under the hood, you'll instantly notice the High Current Power Supply

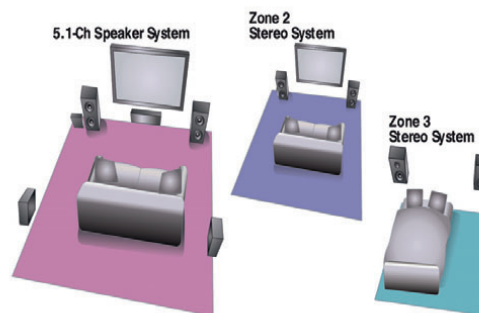
(H.C.P.S.) transformer. This transformer incorporates a huge isolated power supply design that, working in tandem with our high-capacity filter capacitors, ensures you'll always have ready the large amounts of instantaneous high-current power necessary for reproducing the wide dynamics of movie soundtracks and the detail and clarity of your music.

Multizone Playback through Powered Zone 2



Powered Zone 2 brings multi-zone entertainment to your home. With Powered Zone 2, you can enjoy one input source in the main room and a different source in another room, through two different connection methods: using a receiver integrated amplifier in Zone 2, or using only a pair of speakers in Zone 2. In the former case, you can enjoy 7.1 surround sound in the main room and play a different A/V source in Zone 2. In the latter case, you can have 5.1 surround sound in the main room and play a different (stereo) AV source in Zone 2.

Multizone Operation with Powered Zone 3



With the TX-NR5000E, it's possible to connect a receiver/integrated amp in a third zone (Zone 3) to enjoy distributed entertainment as in Zone 2. This way, you can enjoy a full 7.1-channel source in the main room, while playing two separate sources in Zone 2 and Zone 3. Also, the TX-NR5000E has a full set of line-outs for video so you can set up another system in another room.

A-OMF and Onkyo Micro Fiber



The Onkyo Micro Fiber (OMF) speaker cone utilizes a pure cotton weave to absorb vibrations. Also, a thin yet rigid flexing diaphragm enables an extremely fast and accurate response. A new development, A-OMF, incorporates a PEN (polyethylene naphthalate) layer with a flexible cotton weave, making cones even stronger and more resistant to heat. Both cones achieve improved midrange clarity and imaging for an astonishingly vivid, natural sound.

Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice.

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